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SIXTY-FIFTH ANNUAL ANNOUNCEMENT OF

RUSH MEDICAL COLLEGE

CONTAINING THE

BULLETIN OF THE MEDICAL COURSES

OF THE UNIVERSITY OF CHICAGO

TABLE OF CONTENTS

History, Plan of Government, and Location - - 3
Calendar of Rush Medical College - - - - - 4
Calendar of the University of Chicago - - - 5
Board of Trustees of Rush Medical College - - 6
Representing the University - - - - - - 6
The Faculty of Rush Medical College - - - - 6
Fellows appointed for 1907-8 - - - - - 11
Extra-Mural Instructors - - - - - - 11
Officers of Administration at the University of Chicago - - - - - - - - - - - 12
The Administrative Board of Medical Affairs at the University of Chicago - - - - - - 12
Introductory Statement - - - - - - - - 13
Requirements for Admission - - - - - - 14
The Curriculum - - - - - - - - - - 15
General Regulations - - - - - - - - 15
Requirements for Admission to the Medical Courses - - - - - - - - - - - 17
Admission to Advanced Standing - - - - - 19
Requirements for Graduation - - - - - - 20
General Information for Students entering the Freshman and Sophomore Classes - - - - 20
Routine of Entrance - - - - - - - - 20
Fees for Matriculation, Tuition, Deposits, and Apparatus - - - - - - - - - - 21
Rooms, Board, and General Expenses - - - 22
General Information for Students entering the Junior and Senior Classes - - - - - - 22
The Quarter System - - - - - - - - - 24
Definition of Major and Minor - - - - - - 25
Graduate Courses in Medicine for Physicians and Advanced Students - - - - - - - - - 25
The Degrees of S.B., A.B., and Ph.B. - - - - 25
The Work of the Medical Course for the Freshman and Sophomore Years - - - - - - - 26
Arrangement of Courses for six Quarters - - 27
The Work of the Clinical Years - - - - - 28
Elective and Optional Courses - - - - - 28
Fifth Year - - - - - - - - - - - 28
Department of Anatomy - - - - - - - - 29
Department of Zoölogy - - - - - - - - 31
Department of Physiology - - - - - - - 34
Department of Chemistry, Materia Medica, and Toxicology - - - - - - - - - - 36
Department of Therapeutics and Preventive Medicine 42
Department of Pathology and Bacteriology - - 43
Department of Medicine - - - - - - - - 46
Department of Surgery - - - - - - - - 49
Department of Obstetrics and Gynecology - - - 52
Department of Diseases of the Chest, Throat, and Nose 53
Department of Ophthalmology and Otology - - 55
Department of Skin and Venereal Diseases - - - 56
General Lectures and Optional Courses - - - 57
Laboratories, Equipment, and Libraries:
The Hull Biological Laboratories - - - - 58
The Kent Chemical Laboratory - - - - - 59
The Libraries - - - - - - - - - - 59
Buildings, Equipment, and Hospital Facilities at Rush Medical College - - - - - - - - 60
Fellowships, Hospital Internes, and Prizes - - 61
Occupants of Interneships - - - - - - - 62
Fellowships and Scholarships at the University of Chicago - - - - - - - - - - - 63
Medical Societies - - - - - - - - - 64
Alumni Association - - - - - - - - - 64
Graduates for the Session of 1906-7 - - - - 65
Matriculates for the Session of 1906-7 - - - - 66
Summary - - - - - - - - - - - 75

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HISTORY, PLAN OF GOVERNMENT, AND LOCATION

Rush Medical College is one of the oldest institutions of learning in the Northwest, having been chartered by a special act of the Legislature of the state of Illinois in February, 1837. It was founded by the late Daniel Brainerd, who was its first president. The first course of lectures was delivered in the second story of the frame building on Clark Street, near Randolph, in 1843. In 1844 a college building was erected at the corner of Dearborn Avenue and Indiana Street, a structure which was remodeled and enlarged in 1855. In 1867 a larger building was erected on the site of the old one. This edifice was destroyed in the great fire of 1871, and for three years the College occupied a temporary amphitheater in the grounds of the Cook County Hospital, then located at Arnold and Eighteenth Streets. In 1875 the present Clinical Building was erected, and in 1893 a Laboratory Building, which greatly increased the facilities for practical instruction, was erected on the south side of Harrison Street, opposite the Clinical Building. The facilities for clinical instruction were largely increased in 1903 by the addition of the Senn Building, seven stories in height, adjoining the Clinical Building on the east. In 1887 the College became the Medical Department of the Lake Forest University, retaining, however, its autonomy. This relation was dissolved by mutual consent in April, 1898, and in the same month the present affiliation with the University of Chicago was established. In 1883 the Presbyterian Hospital, adjoining the College, was established, and the building then erected for the hospital was subsequently enlarged by the addition of the Daniel A. Jones Memorial. Rush Medical College is one of the several institutions officially recognized by the Royal Colleges of Physicians and Surgeons of London, England.

GOVERNMENT

The government of the College is vested in a "perpetual Board of Trustees," distinct from the teaching force of the College, which was constituted by a special act of the General Assembly of Illinois, in February, 1837, and of which the Governor of the state, the Lieutenant-Governor, and the Speaker of the House of Representatives are members *ex officio*.

This Board is responsible to the state for the careful management of the financial and educational interests of the College, and for the discipline of its students.

AFFILIATION

By the terms of affiliation with the University of Chicago, the Board of Trustees is composed of members not belonging to the teaching force of the College. This board assumes the financial management and appoints the Faculty, but delegates to the latter the control of the educational work subject to the rules of the University and the approval of the Trustees. The affiliation thus assures the maintenance of a high order of instruction and a steady advance in modern educational methods. The University offers three Fellowships to graduates of the College, yielding the University fees and entitling the holders to the privileges of its biological laboratories. It provides for granting the degree of Bachelor of Science to students of the College who have had suitable preliminary education and who comply with the University regulations established for that degree. The courses of the first two years of the medical curriculum are offered at the University only.

LOCATION

The College is situated on West Harrison Street, between Hermitage Avenue and Wood Street, and can be reached by any of the trains of the Metropolitan Elevated Railway, the Marshfield Avenue station of which is three blocks east of the College; by the Ogden Avenue and Van Buren Street electric lines, which cross Wood Street two blocks north of the College; or by the Harrison Street electric car line, which runs on West Harrison Street.

The telephone number is West–113.

Address all correspondence to

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CHICAGO, ILLINOIS

LOCATION OF THE UNIVERSITY OF CHICAGO

The University is situated on the Midway Plaisance, between Ellis and Lexington Avenues, and can be reached by the Cottage Grove Avenue electric cars (from Wabash Avenue) by the South Side Elevated Railway, by the Illinois Central Railroad to South Park Station, or by the Sixty-third Street electric cars from the Englewood railway stations.

A Baggage Express Company and the Western Union Telegraph Company have offices at the University. The telephone number of the University is Hyde Park–426.

CALENDAR OF RUSH MEDICAL COLLEGE

1907	
June 15, Saturday	The Summer Quarter begins
July 1, Wednesday	The fiscal year of the College begins
July 4, Thursday	A holiday
July 25, Thursday	Second Term, Summer Quarter begins
August 30, 31, Friday, Saturday	Quarterly Examinations
August 31, Saturday	Summer Quarter ends
Sept. 1–Sept. 30	Summer Recess
Oct. 1, Tuesday	Autumn Quarter begins
Nov. 11, Monday	Second Term, Autumn Quarter begins
Nov. 28, Thursday	Thanksgiving Day—a holiday
Dec. 19, 20, 21, Thursday, Friday, Saturday	Quarterly Examinations
Dec. 21, Saturday	Autumn Quarter ends
Dec. 22–31	Quarterly Recess

1908	
Jan. 2, Thursday	Winter Quarter begins
Feb. 10, Monday	Second Term, Winter Quarter begins
Feb. 22, Saturday	Washington's Birthday—a holiday
March 19, 20, 21, Thursday, Friday, Saturday	Quarterly Examinations
March 21, Saturday	Winter Quarter ends
March 22–29	Quarterly Recess
March 30, Monday	Spring Quarter begins
May 7, Thursday	Second Term, Spring Quarter begins
May 30, Saturday	Decoration Day—a holiday
June 9, 11, 12, Tuesday, Thursday, Friday,	Quarterly Examinations
June 8, Monday	Special Clinics for the Alumni Association; Class-Day Exercises of the Graduating Class
June 9, Tuesday	Special Clinics; Annual Business Meeting of the Alumni Association
June 10, Wednesday 3:00 P. M.	Graduating Exercises
6:00 P. M.	Annual Reception and Dinner of the Faculty and Alumni
June 12, Friday	Spring Quarter ends

CALENDAR OF THE UNIVERSITY OF CHICAGO, 1907–8

THE MEETINGS OF THE BOARD OF TRUSTEES ARE HELD ON THE SECOND TUESDAY OF EACH MONTH

1907

June 7	Friday	Junior College Day
June 8	Saturday	Alumni Day
June 10	Monday	Class Day
June 11	Tuesday	The Summer Convocation
June 12	Wednesday	Quarterly Examinations
June 13	Thursday	
June 14	Friday	
June 14	Friday	Spring Quarter ends
June 15	Saturday	Summer Quarter begins
July 4	Thursday	Independence Day: a holiday
July 24	Wednesday	Examinations for the First Term of the Summer Quarter First Term of Summer Quarter ends
July 25	Thursday	Second Term of Summer Quarter begins
August 30	Friday	Examinations for Second Term of the Summer Quarter The Autumn Convocation Second Term of Summer Quarter ends
Oct. 1	Tuesday	Autumn Quarter begins
Nov. 28	Thursday	Thanksgiving Day: a holiday
Dec. 17	Tuesday	The Winter Convocation
Dec. 18	Wednesday	Quarterly Examinations
Dec. 19	Thursday	
Dec. 20	Friday	
Dec. 20	Friday	Autumn Quarter ends

1908

Jan. 2	Thursday	Winter Quarter begins Matriculation and Registration of incoming students
Feb. 22	Saturday	Washington's Birthday: a holiday
Mar. 15	Sunday	Convocation Sunday
Mar. 16	Monday	Spring Meeting of the *University Congregation*
Mar. 17	Tuesday	Spring Convocation
Mar. 18	Wednesday	Quarterly Examinations
Mar. 19	Thursday	
Mar. 20	Friday	
Mar. 20	Friday	Winter Quarter ends
Mar. 20–29		Quarterly Recess
Mar. 30	Monday	Spring Quarter begins Matriculation and Registration of incoming students
May 30	Saturday	Memorial Day: a holiday
June 5	Friday	Junior College Day
June 6	Saturday	Alumni Day
June 8	Monday	Class Day Summer Meeting of the *University Congregation*
June 9	Tuesday	The Summer Convocation
June 10	Wednesday	Quarterly Examinations
June 11	Thursday	
June 12	Friday	
June 12	Friday	Spring Quarter ends

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BATHENA COONE, M.D., Assistant in Diseases of Children, 440 E. Fifty-seventh Street.
WILLIAM R. STEPHENS, M.D., Assistant in Medicine, 1071 N. Clark Street.
SIGMUND KRUMHOLZ, M.D., Assistant in Nervous and Mental Diseases, 287 W. Twelfth Street.
DANIEL FREDERICK GRASSE, M.D., Assistant in Genito-Urinary Surgery, 329 W. Van Buren Street.
JAMES WRIGHT LAURIE, Ph.D., Research Assistant in Chemistry, University of Chicago.
MARY HEFFERAN, Ph.D., Curator of the Bacteriological Museum, University of Chicago.
CHARLES MacDONALD CARSON, Ph. D., Research Assistant in Chemistry.
MYRA H. JONES, Assistant in Therapeutics, Rush Medical College.
GERTRUDE THOMPSON, Assistant in Therapeutics, Rush Medical College.
SARAH BENEDICT, Assistant in Therapeutics, Rush Medical College.
JOHN GARDNER HAYDEN, M.D., Assistant in Surgery, 1044 Monroe Street.
JOHN F. GOLDEN, M.D., Assistant in Surgery, 43d and Vincennes Avenue.
EDWIN GARVEY KIRK, S.B., Assistant in Anatomy, University of Chicago.
EMIL GOETTSCH, Ph.D., Assistant in Anatomy, University of Chicago.
JOHN SUNDWALL, Ph.D., Assistant in Anatomy, University of Chicago.
ROBERT EMMETT KEATING, M.D., Assistant in Medicine, 301 Division Street.
GEORGE WILLIAM BOOT, M.D., Assistant in Diseases of the Eye and Ear, Evanston, Ill.
DALLAS B. PHEMISTER, M.D., Assistant in Surgery, LaGrange, Ill.
RICHARD FYFE, M.D., Assistant in Diseases of the Chest, Throat and Nose, 717 W. Adams Street.
FRANCIS A. LANE, M.D., Assistant in Ophthalmology and Otology, 34 Washington Street.
FINDLEY JOHN, M.D., Assistant in Medicine, 100 State Street.
JAMES RICHARD GREER, S.B., Assistant in Physiology, University of Chicago.
DENNIS EMERSON JACKSON, A.B., Assistant in Physiology, University of Chicago.
R. E. BUCHANAN, S.B., Assistant in Bacteriology, University of Chicago.
FRANK ADOLPH ST. SURE, S.B., Assistant in Anatomy, University of Chicago.
HERMAN L. KRETSCHMER, M.D., Assistant in Surgery, 413 Sedgwick Street.
JOHN P. GRIMES, M.D., Assistant in Surgery, 395 Wells Street.
PAUL OLIVER, M.D., Assistant in Surgery, 72 Madison Street.
M. R. WALTER, M. D., Assistant in Diseases of the Chest, Throat, and Nose.
HUGH JAMES POLKEY, M.D., Assistant in Surgery.
GEORGE WARNER MOSHER, M.D., Assistant in Diseases of the Chest, Throat, and Nose, 34 Washington Street.
L. W. BREMERMAN, M.D., Assistant in Genito-Urinary Surgery.
JOHN CHARLES WEST, M.D., Assistant in the Diseases of Children, 936 N. Halsted Street.
GRACE H. CAMPBELL, M.D., Assistant in the Diseases of Children, 838 Garfield Boulevard.
HERBERT HORACE BUNZEL, S.B., Assistant in Physiological Chemistry, University of Chicago.
JOHN THOMAS PATTERSON, S.B., Laboratory Assistant in Zoölogy, University of Chicago.
FRANK R. MORTON, M.D., Clinical Assistant in Surgery, 226 Wells Street.
EDGAR C. LEE, M.D., Clinical Assistant in Surgery, 782 Winthrop Avenue.
JOHN WESLEY VIERS, M.D., Clinical Assistant in Diseases of the Chest, Throat and Nose, 34 Washington Street.

WALTER P. McGIBBON, M.D., Clinical Assistant in Ophthamology and Otology, 5227 Jefferson Avenue.
CARL AUGUST OSTLING, M.D., Clinical Assistant in Genito-Urinary Surgery, 344 N. Park Avenue.
THEODORE DROZDOWITZ, M.D., Clinical Assistant in Genito-Urinary Surgery, 530 Milwaukee Avenue.
ERNEST WILLIAM POTTHOFF, M.D., Clinical Assistant in Dermatology, 1081 W. Twelfth Street.
ARTHUR N. MACKEY, M.D., Clinical Assistant in Dermatology, 1127 Sheffield Avenue.
ALFRED NELSON MURRAY, M.D., Clinical Assistant in Ophthalmology, 100 State Street.
MARY JOHNSTONE, M.D., Clinical Assistant in Obstetries and Gynecology, 638 W. Jackson Boulevard.
GUY CARSON KINNAMAN, M.D., Fellow in Surgery, Rush Medical College, 390 N. Clark Street.
EVARTS AMBROSE GRAHAM, A.B., Fellow in Pathology, Rush Medical College.

FELLOWS APPOINTED FOR 1907–8

(IN THE MEDICAL DEPARTMENTS, UNIVERSITY OF CHICAGO)

ERNEST ANDERSON, S.B., S.M., Chemistry.
GEORGE W. BARTELMEZ, S.B., Zoölogy.
FRANK CHRISTIAN BECHT, S.B., Physiology.
ROBERT LOUIS BENSON, A.B., A.M., Pathology.
LIBORIS GOMEZ, S.M., Physiology.
PAUL EDWARD HOWE, S.B., Physiological Chemistry.
DON ROSCO JOSEPH, S.B., S.M., Physiology.
LOUIS KNOX, S.B., Chemistry.
WINFORD LEE LEWIS, A.M., Chemistry.
JAMES PATTERSON, S.B., Anatomy.
JOHN JACOB PUTNAM, S.B., Chemistry.
MARION LYDIA SHOREY, PH.B., A.M., Zoölogy.
RALPH SHELDON, A.B., A.M., Anatomy.
KATASHI TAKAHASHI, SC.D., Zoölogy.
DAVID DUKE TODD, S.B., Bacteriology.

EXTRA-MURAL INSTRUCTORS

At Cook County Hospital

MALCOLM L. HARRIS, M.D., Assistant Clinical Professor (*extra-mural*) of Surgery.
LAWRENCE RYAN, M.D., Assistant Clinical Professor (*extra-mural*) of Surgery.

At West Side Hebrew Dispensary

SYDNEY KUH, M.D., Associate Clinical Professor (*extra-mural*) of Neurology.
ROSA ENGELMAN, A.B., M.D., Assistant Clinical Professor (*extra-mural*) of Pediatrics.
GEORGE MORGANTHAU, M.D., Assistant Clinical Professor (*extra-mural*) of Diseases of the Throat, Nose, and Ear
EMANUEL FRIEND, M.D., Assistant Clinical Professor (*extra-mural*) of Surgery.
LOUIS A. GREENSFELDER, M.D., Assistant Clinical Professor (*extra-mural*) of Surgery.
ALBERT W. SCHRAM, M.D., Clinical Instructor (*extra-mural*) in Medicine.
MAY MICHAEL, M.D., Clinical Assistant (*extra-mural*) in Diseases of Children.
L. E. GORDON, M.D., Clinical Assistant (*extra-mural*) in Diseases of the Throat, Nose, and Ear.
FRANK B. HARMISON, M.D., Clinical Assistant (*extra-mural*) in Medicine.
WILLIAM H. RUBOVITZ, M.D., Clinical Assistant (*extra-mural*) in Surgery.
G. W. WAGNER, M.D., Clinical Assistant (*extra-mural*) in Surgery.

At Chicago Isolation Hospital

HEMAN SPALDING, M.D., Associate Clinical Professor (*extra-mural*) of Medicine.

At St. Luke's Hospital

LEWIS L. MACARTHUR, M.D., Assistant Clinical Professor (*extra-mural*) of Surgery.

At Alexian Brothers' Hospital

J. H. HOELSCHER, M.D., Assistant Clinical Professor (*extra-mural*) of Medicine.

At St. Anthony's Hospital

FRED J. E. EHRMANN, M.D., Clinical Instructor (*extra-mural*) in Medicine.

At the Illinois Charitable Eye and Ear Infirmary

NORVAL H. PIERCE, M.D., Assistant Clinical Professor (*extra-mural*) of Otology.

JAMES H. HARPER, *Registrar*

OFFICERS OF ADMINISTRATION

AT THE UNIVERSITY OF CHICAGO

The President of the University, Harry Pratt Judson, *Haskell Museum*, First Floor, Room 10.
The University Recorder, Alonzo Ketcham Parker, *Haskell Museum*, First Floor, Room 11.
The University Chaplain, Charles Richmond Henderson, *Cobb Lecture Hall*, First Floor, Room 1.
The University Registrar, Thomas Wakefield Goodspeed, *Press Building*, First Floor.
The Secretary to the President, David Allan Robertson, *Haskell Museum*, First Floor, Room 10.
The Dean of Medical Students, John Milton Dodson, *Physiology Building*, First Floor, Room 13.
The Dean in Medical Work, Harry Gideon Wells, *Physiology Building*, First Floor, Room 13.
The Dean of Women, Marion Talbot, *Cobb Lecture Hall*, First Floor, Room 9.

THE ADMINISTRATIVE BOARD OF MEDICAL AFFAIRS

AT THE UNIVERSITY OF CHICAGO

THE PRESIDENT, *Chairman.*

The Recorder, *ex officio.* Dean JOHN MILTON DODSON, *ex officio.* Dean MARION TALBOT, *ex officio.*
Dean HARRY GIDEON WELLS, *ex officio.*

Professor NICHOLAS SENN.
Professor CHARLES OTIS WHITMAN.
Professor ALBERT ABRAHAM MICHELSON.
Professor SAMUEL WENDELL WILLISTON.
Professor FRANK BILLINGS.
Professor CHARLES REID BARNES.
Professor GEORGE NEIL STEWART.
Professor LUDVIG HEKTOEN.
Professor JOHN ULRIC NEF.
Professorial Lecturer WALTER STANLEY HAINES.
Professorial Lecturer EPHRAIM FLETCHER INGALS.
Professorial Lecturer JAMES NEVINS HYDE.
Professorial Lecturer ARTHUR DEAN BEVAN.
Professorial Lecturer JOHN CLARENCE WEBSTER.
Professor JULIUS STIEGLITZ.
Professor ALBERT PRESCOTT MATHEWS.
Professor EDWIN OAKES JORDAN.
Professor FRANK RATTRAY LILLIE.
Professor ROBERT RUSSELL BENSLEY.
Professor CHARLES JUDSON HERRICK.
Associate Professor ROBERT ANDREWS MILLIKAN.
Assistant Professor DAVID JUDSON LINGLE.
Assistant Professor JOHN GORDON WILSON.
Assistant Professor CHARLES MANNING CHILD.
Assistant Professor HERBERT NEWBY McCOY.
Assistant Professor NORMAN MacLEOD HARRIS.
Assistant Professor HOWARD TAYLOR RICKETTS.
Assistant Professor SAMUEL ALEXANDER MATTHEWS.
Assistant Professor PRESTON KYES.
Assistant Professor JOSEPH EDWARD RAYCROFT.
Assistant Professor WALDEMAR KOCH.
Assistant Professor ANTON JULIUS CARLSON.
Assistant Professor WILLIAM LAWRENCE TOWER.
Assistant Professor LAUDER WILLIAM JONES.
Dr. THOR ROTHSTEIN.
Dr. GEORGE ELMER SHAMBAUGH.
Mr. DANIEL GRAISBERRY REVELL.
Mr. BASIL COLEMAN HYATT HARVEY.
Dr. BROWN PUSEY.
Mr. WILLIS BOIT HOLMES.
Dr. ALBERT WOELFEL.
Mr. FRANK HENRY PIKE.

INTRODUCTORY STATEMENT

STUDENTS ENTERING WITH CONDITIONS IN ANY BRANCH, OR STUDENTS SEEKING ADMISSION TO ADVANCED STANDING FROM ANOTHER MEDICAL SCHOOL, ARE STRONGLY ADVISED TO ENTER FOR THE SUMMER QUARTER, BEGINNING JUNE 15.*

CHANGES IN RULES AND REGULATIONS.—The right is reserved by the faculty to make changes at any time in requirements for alumni, curriculum fees, or any rules and regulations.

THE CURRICULUM.—The curriculum of Rush Medical College, extending over four or five annual sessions of nine months (three quarters) each, embraces (1) two years of work in the fundamental branches of Anatomy, both gross and microscopic, Neurology, Embryology, Physiology, Physiological Chemistry, Pharmacology, Bacteriology and Pathology; and (2) two or three years in the clinical branches of Materia Medica, Therapeutics, Clinical Pathology, Medicine, Surgery, Obstetrics, and the special lines of practice.

FUNDAMENTAL BRANCHES AT THE UNIVERSITY OF CHICAGO.—The courses in the fundamental branches are offered only at the University of Chicago, in the spacious Hull Biological Laboratories, by instructors whose time is wholly devoted to teaching and investigation in their respective lines. It is believed that the student pursuing these studies in the atmosphere of an institution devoted to scientific work cannot but gain a broader and more thorough conception of these sciences. Such a training will not only afford a better preparation for the clinical courses of the Medical College and for the practice of medicine and surgery, but will also enable the student to follow more easily in paths along which medical advances promise to be made, and to apply these new discoveries in his daily work.

THE CLINICAL BRANCHES are taught at Rush Medical College, with its Central Free Dispensary and the Presbyterian Hospital, and in the Cook County Hospital, the West Side Hebrew Dispensary, and other hospitals in the vicinity of the College.

FIFTH YEAR.—Beginning with the year 1905-6, a *fifth year* was added to the curriculum which, until further announcement, is optional.†

The work of this year will be that of

A. Graduate work in one of the departments of the College, either as a Graduate student or as a Fellow; or

B. An interneship in a hospital under the following conditions:‡

1. Each student taking such work will be under the constant supervision of the Faculty, by whom the hospital in which the interneship is taken must be approved.
2. The student must present evidence of thorough clinical work, and, if possible, an exhaustive study of a selected group of clinical cases involving original work.
3. He will be required to pass a special examination at the end of the year.

On the successful completion of this fifth year he will receive the degree of Doctor of Medicine, *cum laude*.

THE REQUIREMENTS FOR ADMISSION comprise (*a*) the completion of a four-year high-school course, and in addition, (*b*) two years of work in a recognized college or university. This work must have included a thorough course in College Chemistry—inorganic, organic, and qualitative analysis; a course in College Physics with aboratory work; a course in general Biology, with laboratory work; and a reading knowledge of German or of French. A student may be admitted with conditions in not more than six majors of College work.

It is the firm conviction of the Faculty that, under the conditions now prevailing in the practice of medicine, and which are rapidly becoming more exacting, no person can afford to enter upon the study of medicine with a preparation less thorough and comprehensive than that demanded by these requirements. The Medical Examining Boards in some of the states have announced their intention to require this amount of premedical work as a prerequisite for licensure in the near future.

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*It is greatly to the advantage of every student to begin his medical work without conditions in any of the branches required for admission, especially Physics, Chemistry, and Biology. In these and all other departments at the University of Chicago courses are given in the Summer Quarter by which deficiencies can be made up. For students entering from other medical schools, special review courses are offered in Anatomy, Physiology, and the other fundamental medical sciences, and satisfactory work in these courses will be accepted in lieu of examination on the work of the first two years.

†As soon as this fifth year in an interneship can be made a prerequisite for the degree of M.D., under the rulings of the Medical Examining Boards of the several states, it is the purpose of the Faculty to extend the required curriculum to five years.

‡A detailed statement of the regulations governing this work is furnished to each student who registers for the fifth year.

Admission to Advanced Standing.—Students or graduates of other medical colleges whose work is recognized by this College, may be admitted to advanced standing. They are required to present credentials showing that their preparatory education was fully equivalent to that demanded of the students of Rush Medical College; they must have spent an amount of time, estimated in months, and have completed work in the medical branches equal to that demanded of students in this College. Any deficiencies may be made up by attendance upon extra quarters or, in small degree, by extra work. (See p. 19.)

Requirements for Graduation.—The minimum requirements for graduation comprise attendance upon four sessions of three quarters (nine months) each, the completion of a prescribed amount of work, and the passing of certain examinations both written and practical. (See p. 20.)

The Combined Course for the Degrees of M.D., and S.B., A.B., or Ph.B.—Attention is called to the fact that courses are offered in the University of Chicago, in the Departments of Art, Literature, and Science, in all the branches of a liberal education. The work of the Senior College (Junior and Senior years of the University) being almost wholly elective, a student seeking a Bachelor's degree may elect courses in Anatomy, Physiology, etc., and thus procure such a degree together with that of M.D., in from six to six and one-half years. This plan admits of great elasticity in adjustment to the needs of the individual students, as one may spend anywhere from six to twelve quarters or more in preparatory college work before taking up the study of the medical branches. Every student is urged to make his preparatory work as extensive and thorough as his age and other circumstances will permit. (See p. 25.)

The Elective System.—The work of the first two years of the medical curriculum is in part, and that of the last two years wholly, elective, the choice of the student for each quarter being subject to certain restrictions. (See p. 27.)

The Quarter System.—The College is in session during four quarters each year, and a student may enter at the beginning of any quarter. Students beginning their medical work, however, are advised to commence with the Autumn Quarter. (See p. 24.)

The Tuition Fee is sixty dollars per quarter, or one hundred and eighty dollars for each of the four annual sessions, this tuition including all laboratory fees. (See pp. 21–23.)

Student Self-Help.—Many opportunities are afforded in Chicago for students to earn a portion (and in exceptional cases the whole) of their expenses. A booklet giving fuller information in regard to this matter will be mailed on application.

REQUIREMENTS FOR ADMISSION

These comprise (*a*) the successful completion of a four-year high-school or academy course, qualifying the student to enter the Junior College (Freshman class), of the University of Chicago, and (*b*) 18 majors (=6 quarters) of the usual college course, or a full equivalent therefor. (See p. 19, col. 1, B, for details.)

A. High-School Work Required for Admission to the Junior College (Freshman Class) University of Chicago.*

1. The high-school work imperatively demanded of every student comprises 3 units of English (Rhetoric, Composition, and Literature); 3 units of language other than English; 2½ units of Mathematics (Algebra, through Quadratics and Plane Geometry); and 6½ units in other high-school branches. (2) Students intending to study medicine are strongly advised to take in the high school 2 units of Latin (Elementary Grammar and Caesar), 3 units of German or French, 1 unit each of Chemistry and Physics—with Laboratory work, and ½ unit of Trigonometry. If these branches have not been taken in the high school, they must be taken as part of the college work required for admission (see p. 19, par. B). A diploma is not accepted as sufficient evidence of such preparation, but specific statement is required as to the amount and character of the work in each branch of study. Blanks are furnished by the University for the presentation of such credits, and will be mailed on application to the Dean of Medical Students.

* A complete and more detailed statement of the requirements and the ground covered by each subject will be sent to any principal, teacher, or student on application to the Dean of Medical Students.

B. College Work Required for Admission to the Medical Course

Eighteen majors (two years) of college work must have been taken, and this work must have included the following branches: (1) Chemistry—(*a*) 3 majors of Inorganic Chemistry (or 2 majors, if 1 unit of High-school Chemistry with Laboratory work has been taken). (*b*) 1 major of Organic Chemistry. (*c*) 1 major of Qualitative Analysis. This work in Chemistry corresponds to the courses Chemistry 1, 2, 3, 4, and 6—see page 37. The Student is advised to take Quantitative Analysis, but this is not required.

(2) Physics—4 majors of Physics (or 2 majors if 1 unit of high-school Physics has been taken). This work in Physics corresponds to the courses Physics 1, 2, 3, and 4—see page 36.

(3) Trigonometry, ½ major unless this subject has been taken in high school. Trigonometry is the prerequisite for Physics 3 and 4.

(4) 1 major General Biology equivalent to Zoölogy 2—see page 31.

(5) A reading knowledge of German or of French (ordinarily 2 units of high-school or 3 majors of College work).

(6) 3 majors of Latin (Caesar and Elementary Grammar) unless 2 units have been completed in high-school

THE CURRICULUM

1. *The fundamental medical branches.*—The course for the first two years' work in Medicine consists mainly of instruction in the fundamental medical sciences. It includes the following courses:*

a) Chemistry: The Chemistry of Medical Drugs, ½ major (19).

b) Anatomy: 7½ majors as follows:
Human Anatomy (Dissecting), 4 majors (1, 2, 3, 4).
Splanchnology, Histology, and Cytology, 1½ majors (10, 11).
Embryology, 1 major (Zoölogy 20, or 21).
Neurology, 1 major (Anatomy 17).

c) Physiology: 6½ majors as follows:
Physiology, 3½ majors (12, 13, 14).
Physiological Chemistry, 1½ majors (19 or 20).
Pharmacology, 1½ majors (21).

d) Pathology: 3½ majors, as follows:
Bacteriology, 1½ majors (1).
Pathology, 2 majors (2A, 2B).

A total of 18 majors.† All of this work is given at the University of Chicago.

2. *The clinical medical branches.*—The work of the last two, or clinical, years comprises the following branches:

a) Materia Medica, Therapeutics, Medical Jurisprudence, and Preventive Medicine, at least 2 majors.
b) Pathology, at least 1 major.
c) Medicine, at least 4 majors.
d) Surgery, at least 5½ majors, one major of which must be in Surgical Anatomy.
e) Obstetrics and Gynecology, at least 3 majors.
f) Diseases of the Chest, Throat, and Nose, at least 1½ majors.
g) Diseases of the Eye and Ear, at least 1 major.
h) Skin and Venereal Diseases, at least 1 Major.
i) Additional work in any branch, or branches of the student's choice, at least 2 majors.

A total of 21 majors.

Advice by the head of each department as to the recommended sequence of courses is contained in a Circular of Information issued to the students at the beginning of the Autumn Quarter.

GENERAL REGULATIONS

Students are admitted to the Medical Courses either as (1) *Medical Students*, or (2) *Undergraduate Students* (candidates for a Bachelor's degree, S.B., A.B., or Ph.B.). (3) *Graduates* of the University of Chicago, or of other universities or colleges of good standing, are admitted to the Medical Course as Medical Students; they are allowed all the privileges of the members of the Graduate Schools of the University. (4) In addition to students in regular standing, provision is made for the admission to the University of undergraduate students not seeking degrees. Such students are known as *Unclassified Students.* They

*A unit corresponds to a daily recitation throughout the school year of thirty-six weeks.

†For definition of *Major* see page 25.

may register for medical subjects, but they are not candidates for the M.D. degree until they have fulfilled the requirements for admission.

1. *Admission.*
   a) Each student must present to the Faculty certificates of good moral character, signed by at least two physicians of good standing in the state in which the applicant last resided. Blank certificates for this purpose may be had on application to the Dean.
   b) He must be able to comply with the requirements for admission to the medical courses of the University of Chicago (see p. 17). In brief, they consist of a four-year high-school course plus two years of college work, which must have included College Physics, General Chemistry, and Biology, and a reading knowledge of German or French.
   c) He will matriculate and register as a student of Rush Medical College as well as of the University at the beginning of his course. Such matriculation and registration is accomplished at the University without extra fee.
2. *Medical Courses as Undergraduate Work in the course for a Bachelor's degree.*
   a) The first two years' work in Medicine may be taken as the third and fourth years of the Bachelor of Science course, or, in very large part, of the course for the degrees of A.B. or Ph.B. (For requirements, see p. 25.)

      Students who wish to enter college and prepare to take the medical work as part of their Baccalaureate course may enter at the beginning of the Junior College Course (first college year or at any further stage of advancement).*
   b) Each student must comply with 1, *a*.
   c) In order to comply with the rules of the Medical Examining Boards of several states, a student will matriculate with the Dean of Rush Medical College (at the University) at the beginning of his work in Medicine. He will consult with the Dean of Medical Students each quarter in regard to his work, and take a card of advice to the Dean of the Senior Colleges, with whom the student will continue to register until he receives a Bachelor's degree. *Credit will not be given toward the M.D. degree unless the student complies with this regulation.*
3. *Admission as a Graduate Student.*
   a) Admission to the Graduate Schools of the University is granted (1) to those who have been graduated from the Colleges of the University of Chicago with the degree A.B., Ph.B., or S.B.; (2) to those holding Baccalaureate degrees from other institutions of good standing.
   b) Application for admission in the case of students not graduates of the University should be accompanied by testimonials as to character and scholarship. Such testimonials should take the form of diplomas, written or printed theses, or satisfactory evidence in some other form of the student's fitness for admission.
   c) A Graduate student taking the Medical Course must comply with 1 *a* and 1 *c*. He will consult each quarter with the Dean of Medical Students, and will take a card of advice from him to the Dean of the Graduate School, with whom the student will register. *Credit will not be given toward the M.D. degree unless the student complies with this regulation.*
   d) Advanced standing in the Medical Course is granted for work done in other medical schools according to the conditions stated on p. 18 of this *Circular*.
4. *Unclassified Students.*
   a) Candidates for admission to the University as *Unclassified Students* (1) must be at least twenty-one years of age; (2) must show good reason for not entering upon a regular course; (3) *must take the entrance examinations of the departments in which they wish to work;* (4) must satisfy the Dean and the particular instructors under whom they desire to study that they are prepared to carry the courses elected.

      Unclassified students conform to all regulations of the University, and having been admitted, their continuance depends on the maintenance of a satisfactory standing.

Note.— Students entering the University for the first time should make it a point to complete all arrangements for entrance, either by correspondence or in person, *at least two days before the opening of the quarter.*

*A student desiring to enter the course as a candidate for the S.B., A.B., or Ph.B. degree is requested to enter into correspondence upon the subject with the Dean of the Senior Colleges, of the University of Chicago, Chicago, Ill. (see also p. 25 of this *Circular*).

REQUIREMENTS FOR ADMISSION TO THE MEDICAL COURSES

These comprise (*A*) the successful completion of a four-year high-school or academy course, qualifying the student to enter the Junior College (Freshman class) of the University of Chicago, and (*B*) 18 majors (= 6 quarters) of the usual college course, or a full equivalent therefor. (See p. 19, col. 2, B, for details.)

A. HIGH-SCHOOL WORK REQUIRED FOR ADMISSION TO THE JUNIOR COLLEGE (FRESHMEN CLASS) UNIVERSITY OF CHICAGO

1. The high-school work imperatively demanded of every student comprises 3 units of English (Rhetoric, Composition, and Literature); 3 units of Language other than English; 2½ units of Mathematics (Algebra through Quadratics and Plane Geometry), and 6½ units in other high-school branches. (2) Students intending to study Medicine are strongly advised to take in the high-school 2 units of Latin (Elementary Grammar and Caesar), 3 units of German or French, 1 unit each of Chemistry and of Physics—with Laboratory work—and ½ unit of Trigonometry. If these branches have not been taken in the high-school, they must be taken as part of the College work required for admission. (See p. 19, ¶ B.) A diploma is not accepted as sufficient evidence of such preparation, but specific statement is required as to the amount and character of the work in each branch of study. *Blanks are furnished by the University for the presentation of such credits, and will be mailed on application to the Dean of Medical Students.*

Such credits are accepted without examination from affiliated or co-operating schools (see list below), also from the accredited schools of certain state universities (see list below). Students from schools not recognized by the University must submit to examination in the branches required.

2. *Times and places of examinations.*—Examinations for admission are held three times a year at the University. (For dates see the Calendar, p. 5.) They are also given, at the request of students or teachers, at any of the regular dates, in cities outside of Chicago in which satisfactory arrangements can be made. Applications for such examinations should be made to the Dean of Affiliations at least thirty days in advance. Examinations for admission at other than the regular dates may be given only at the University, and that by special permission of the Dean, and upon the payment of a fee of not less than $10 nor more than $15 (the amount being dependent on the number of examinations taken).

Candidates for admission are not required to take all the examinations at one time.

3. *Fee for examination for admission.*—A fee of $5 is charged for examination for admission. This is paid when the first examination is taken. The same fee is paid by students entering upon certificate from co-operating schools.

4. *Students from the University High School and the Affiliated and Co-operating Schools* are admitted to the University upon presentation of a *subject certificate* covering each of the subjects stated above as required for admission.

5. *Affiliated schools.*—The following is the list of affiliated schools during preparatory work:

ILLINOIS—

Bradley Polytechnic Institute, Peoria; dean, Theodore C. Burgess. Frances Shimer Academy, Mount Carroll; dean, William P. McKee. The Harvard School, Chicago; dean, John J. Schobinger. The Kenwood Institute, Chicago; dean, Elizabeth Faulkner. The University School for Girls, Chicago; dean, Anna R. Haire.

INDIANA—

Culver Military Academy, Culver; dean, Colonel A. F. Fleet.

WISCONSIN—

Wayland Academy, Beaver Dam; dean, Edwin P. Brown.

6. *Co-operating schools.*—The following is the list of co-operating secondary schools:*

ILLINOIS—

Austin High School, Chicago; Calumet High School, Chicago; Crane High and Manual Training School, Chicago; Englewood High School, Chicago; Francis W. Parker School, Chicago; Hyde Park High School, Chicago; Jefferson High School, Chicago; John Marshall High School, Chicago; Lake High School, Chicago; Lake View High School, Chicago; Joseph Medill High School, Chicago; Northwest Division High School, Chicago; Robert A. Waller High School, Chicago; South Chicago High School, Chicago; Wendell Phillips High School, Chicago; William McKinley High School, Chicago; The University School for Boys, Chicago; The Starrett School for Girls, Chicago; Alton High School; Atlanta High School; East Side High School, Aurora; West Side High School, Aurora; Beardstown High School; South Belvidere High School; Bloomington High School; Blue Island High School; Charleston High School; Chicago Heights High School; Clinton High School; Clyde High School; Danville High School; Decatur High School; DeKalb High School; Des Plaines High School; Dixon (North Side) High School; Dixon (South Side) High School; DuQuoin High School; East St. Louis High School; Elgin High School; Elgin Academy; Evanston High School; Freeport High School; Geneseo High School; Harvard High School; Harvey High School; Havana High School; Highland Park (Deerfield Township) High School; Hinsdale High School; Jacksonville High

* In the case of certain schools one or more subjects have been excepted. Graduates from such schools will be credited with these subjects on passing the entrance examination therein.

School; Illinois Woman's College, Jacksonville; Joliet High School; Kankakee High School; La Grange (Lyons Township) High School; Kenilworth (New Trier Township) High School; Kewanee High School; Ferry Hall Seminary, Lake Forest; Lake Forest School for Boys, Lake Forest; La Salle High School; Lincoln High School; Macomb High School; Mattoon High School; Mendota (West Side) High School; Moline High School; Monmouth High School; Morgan Park High School; Morris High School; Morrison High School; Normal High School; Oak Park High School; Ottawa High School; Peoria High School; Polo High School; Pontiac High School; Princeton High School; Quincy High School; Riverside High School; Rockford High School; Rock Island High School; Springfield High School; St. Charles High School; Sterling High School; Streator High School; Sycamore High School; Tuscola High School; Waukegan High School; West Chicago High School; Wheaton High School.

CALIFORNIA—
Los Angeles High School; San Francisco (Girls) High School; San Francisco (Lowell) High School; Pasadena High School.

COLORADO—
Colorado Springs High School; Denver (District No. 1) High School; Denver (North Side) High School; Denver (West Side) High School; Leadville High School; Pueblo (Centennial) High School; Pueblo (Central) High School.

GEORGIA—
Atlanta (Girls) High School.

INDIANA—
Anderson High School; Attica High School; Auburn High School; Crawfordsville High School; East Chicago High School; Elkhart High School; Evansville High School; Frankfort High School; Fort Wayne High School; Goshen High School; Huntington High School; Girls' Classical School, Indianapolis; Indianapolis (Manual Training) High School; Indianapolis (Shortridge) High School; Tudor Hall, Indianapolis; Lafayette High School; LaPorte High School; Lebanon High School; Ligonier High School; Logansport High School; Marion High School; Michigan City High School; Muncie High School; New Albany High School; St. Mary's Academy, Notre Dame; Richmond High School; Rensselaer High School; South Bend High School; Terre Haute High School; Wabash High School; Warsaw High School; Whiting High School.

IOWA—
Cedar Rapids High School; Clinton High School; Council Bluffs High School; Davenport High School; Saint Katherine's Hall, Davenport; Des Moines (East Side) High School; Des Moines (West Side) High School; Dubuque High School; Fort Dodge High School; Glenwood High School; Grinnell High School; Iowa City High School; Keokuk High School; Marshalltown High School; Mason City High School; Ottumwa High School; Red Oak High School; Sioux City High School; Washington High School.

KANSAS—
Fort Scott High School; Kansas City High School; Leavenworth High School; Topeka High School; Wichita High School.

KENTUCKY—
Louisville (Girls) High School; Louisville (Boys) High School.

MAINE—
Coburn Classical Institute, Waterville.

MICHIGAN—
Battle Creek High School; Bay City High School; Benton Harbor High School; Calumet High School; Detroit (Central) High School; Detroit (The Eastern) High School; Detroit (The Western) High School; The Detroit Home and Day School; Flint High School; Grand Rapids (Central) High School; Ishpeming High School; Jackson High School; Kalamazoo High School; Marquette High School; Menominee High School; Manual Training High School, Muskegon; Michigan Military Academy, Orchard Lake; Saginaw (East Side) High School; Saginaw (West Side) High School; St. Joseph High School.

MINNESOTA—
Duluth High School; Minneapolis (Central) High School; Minneapolis (East Side) High School; Pillsbury Academy, Owatonna; St. Paul (Central) High School; St. Paul (Cleveland) High School; St. Paul (Humboldt) High School; Saint Mary's Hall, Faribault; The Shattuck School, Faribault; Winona High School.

MISSOURI—
Kansas City (Central) High School; Kansas City (Manual Training) High School; Kansas City (Westport) High School; Blees Military Academy, Macon; St. Joseph High School; Hosmer Hall, St. Louis; St. Louis (Central) High School; William McKinley High School, St. Louis; Yeatman High School, St. Louis.

MONTANA—
Helena High School.

NEBRASKA—
Omaha High School; Brownell Hall, Omaha.

NEW YORK—
Buffalo (Masten Park) High School.

OHIO—
Akron High School; Canton High School; Cleveland (Central) High School; Cleveland (East Side) High School; Cleveland (Lincoln) High School; Cleveland (South) High School; Columbus (Central) High School; Columbus (East) High School; Columbus (North) High School; Dayton (Steele) High School; Findlay High School; Sandusky High School; Toledo (Central) High School; Youngstown High School.

PENNSYLVANIA—
Pittsburg (Central) High School; Westtown Boarding School, Westtown.

TEXAS—
Dallas High School; Denison High School; El Paso High School; Fort Worth High School; Galveston High School; Houston High School; Sherman High School.

WASHINGTON—
Seattle High School.

WISCONSIN—
Appleton (Ryan) High School; Beloit High School; St. John's Military Academy, Delafield; Elkhorn High School; Fond du Lac High School; Grand Rapids High School; Hillside Home School; Janesville High School; Kenosha High School; LaCrosse High School; Lake Geneva High School; Manitowoc High School; Milwaukee (East Division) High School; Milwaukee (South Division) High School; Milwaukee (West Division) High School; Milwaukee-Downer College; Oshkosh High School; Racine High School; Sheboygan High School; Waukesha High School; Carroll College, Waukesha; Waupaca High School.

7. *Accredited schools of certain state universities.*—For the year beginning June 15, 1907, credits from the following schools, in addition to the foregoing list, will be accepted for admission to Rush Medical College; four-year high schools and academies on the accredited lists of the following universities: the University of

Wisconsin, the University of Michigan, the University of Minnesota, the State University of Iowa, the University of Illinois, the University of Nebraska, the University of Kansas, the University of Indiana, and the University of Ohio.

B. COLLEGE WORK REQUIRED FOR ADMISSION TO THE MEDICAL COURSES

Eighteen majors (two years) of College work must have been taken, and this work must have included the following branches: (1) Chemistry—(*a*) 3 majors of Inorganic Chemistry (or 2 majors, if 1 unit of high-school Chemistry with Laboratory work has been taken); (*b*) 1 major of Organic Chemistry; (*c*) 1 major of Qualitative Analysis. This work in Chemistry corresponds to the courses Chemistry 1, 2, 3, 4, and 6—see page 37. The student is advised to take Quantitative Analysis, but this is not required.

(2) Physics—4 majors of Physics (or 2 majors if 1 unit of high-school Physics has been taken). This work in Physics corresponds to the courses Physics 1, 2, 3, and 4—see page 36.

(3) Trigonometry, ½ major unless this subject has been taken in high-school. Trigonometry is a prerequisite for Physics 3 and 4.

(4) 1 major General Biology equivalent to Zoölogy 2—see page 31.

(5) A reading knowledge of German or of French (ordinarily 2 units of high-school or 3 majors of College work.)

(6) 3 majors of Latin (Caesar and Elementary Grammar) unless two units have been completed in high-school.

C. REQUIREMENTS FOR THE COMBINED COURSE FOR THE DEGREES OF S.B. AND M.D.

Students seeking the degree of *Bachelor of Science* as well as the degree of M.D. (see page 25) must offer or include the following branches in the 18 majors (two years) of College work presented for admission to the Medical Course. (1) The above specified prerequisites in Chemistry, Physics, etc., for admission to the Medical course.

(2) 2 majors of English, 2 majors of History, Political Economy, or Sociology, and 1 major of Psychology or Philosophy (these must be College courses). (3) and in addition to (2) *unless included in the 15 units of high school work presented* (see page 17); 3 majors of History (or 1½ high-school units) and sufficient Latin, French, or German to make a total of 10 Majors (or 5 high-school units) of language other than English. The Latin, French, or German specified as prerequisite for entrance to the Medical courses form part of these 10 Majors.

Every student who is considering the question of entering upon the study of medicine is requested to write to the Dean of Medical Students for a blank application for admission, to fill out the same carefully, giving full details of his high-school and college work, and to mail the application, thus completed, to the Dean. He will be informed as promptly as possible as to just what credit he can be given, and in what, if any, branches he is deficient. This will make it unnecessary for the student to estimate closely his own credits, and will secure for him a prompt and definite reply to his inquiry concerning his preparation for the study of medicine.

The college preparation for the medical courses may be accomplished at the University of Chicago in six quarters. A student may be admitted to the Medical Courses conditioned in not more than six majors of college work, but all his conditions must have been removed before he can enter upon the work of the second year of the medical course.

Attention is called to the fact that any credits which may be required in addition to high-school work may be secured in the Colleges of Arts, Literature, and Science of the University of Chicago by attendance during extra quarters before entering the medical course, or, in small part, by taking courses in these Colleges during the student's attendance upon the medical course. Credit will be accepted for such work done in any other college or university of equal standing.

Applicants for admission to advanced standing in the courses for the degrees of A.B., Ph.B., or B.S. at the University of Chicago should apply to the University for the Circular of Information of the Colleges.

ADMISSION TO ADVANCED STANDING

Students are admitted to advanced standing in the Medical Course of the University as follows:

Students from other medical schools whose standards are fully equivalent to those of this institution may receive credit for time spent—estimated in months—and for work successfully completed in such institutions, provided it is equivalent to corresponding work in the medical course in the University. Such a student should give an explicit statement in regard to his preliminary education before beginning the study of Medicine, the date of beginning and ending of each session attended in a medical college, together with the name of the college and a statement of the studies which he has successfully completed, this latter statement setting forth, if possible, the exact number of hours given to each subject. The credit

claimed in each branch must be passed upon by the Dean of Medical Students or by the head of the corresponding department at the University.

Application blanks.—Blanks for presenting these credits will be furnished on application to the Dean of Medical Students. A student may matriculate at any time in person, or by correspondence.

Students seeking admission to advanced standing are urgently advised to enter for the Summer Quarter.

REQUIREMENTS FOR GRADUATION

The following are the requirements for the degree of Doctor of Medicine.

The candidate must not be less than twenty-one years of age, and must have studied medicine the legal period. He must have paid all dues, must have complied with all the requirements, and must have maintained unexceptional conduct while at the college.

He must have attended twelve full quarters, or an equivalent amount of time, in a recognized medical school, of which at least the last three quarters must have been in this institution, and forty-five months must have elapsed between the beginning of his first course of medical lectures and the date of his graduation.

He must have completed successfully, all of the work required, as follows: 18 majors of work in the Freshman and Sophomore years, comprising a minimum of 6 majors in Anatomy (from courses offered in the Department of Anatomy and Neurology and the Subdepartment of Embryology; these courses include both Gross and Microscopic Anatomy*): 5 majors in Physiology (from courses offered in the Department of Physiology and the Subdepartment of Physiological Chemistry); 1 major in Pharmacology; 3 majors in the Departments of Pathology and Bacteriology; 3 majors in one or more of these departments of his choice.†

His work for the first two years must be pronounced satisfactory by the Committee on Promotions, when a certificate for the completion of the first 18 majors of medical work will be issued to him.

Twenty-one majors of work in the Junior and Senior years, comprising a minimum of 2 majors in Pharmacy, Materia Medica, Therapeutics and Preventive Medicine; 1 major in Pathology; 4 majors in Medicine; 5½ majors in Surgery, at least 1 major of which must be in Surgical Anatomy; 3 majors in Obstetrics and Gynecology,‡ at least 2 majors of which must be in Obstetrics; 1½ majors in Diseases of the Chest, Throat, and Nose; 1 major in Diseases of the Eye and Ear; 1 major in Skin and Venereal Diseases, at least 4 major in each; 2 additional majors in any branch or branches of his choice.

He must have passed, successfully, a final examination, both written and practical, in Meteria Medica and Therapeutics; Pathology; Medicine; Surgery; Obstetrics and Gynecology; Diseases of the Chest, Throat, and Nose; Ophthalmology and Otology; Skin and Venereal Diseases.

He must attend the graduating exercises and receive his diploma in person, unless excused for cause by special action of the Faculty.

GENERAL INFORMATION FOR STUDENTS ENTERING THE FRESHMAN AND SOPHOMORE CLASSES AT RUSH MEDICAL COLLEGE

ROUTINE OF ENTRANCE

I. CREDENTIALS

Applications should be addressed to The University of Chicago, or to Rush Medical College, Chicago, Ill. When presenting himself for admission to the University, the student should bring his *admission credits*, if he is entering a Junior College at its beginning; his *letter of dismissal* and an official statement concerning his previous work, if he is entering with advanced standing from another institution; and a *diploma*, if he is applying for admission to a Graduate School.

These documents should be presented at the office

*They must include the dissection of the lateral half of the human body.

†As to the conditions governing such choice see page 27, ¶ 4.

‡Each student must have personally attended not less than three patients in confinement.

of the Dean of Medical students, Room 13 Physiology Building. Detailed directions will be furnished in the Dean's office as to the mode of matriculating and registering for courses of instruction desired.

II. MATRICULATION AND REGISTRATION

1. TIME OF REGISTRATION.

a) *Students in residence* in the Summer Quarter will register for the Autumn Quarter during the second week in August.

Students in residence in the Autumn Quarter will register for the Winter and Spring Quarters during the first week of December on the days announced on the bulletin boards and in the *Weekly Calendar.*

b) Students entering the University *for the first time*, or resuming work after absence for a quarter, will register on or before the last day of the month, preceding the quarter in which work is to be done.

2. ORDER OF PROCEDURE FOR NEW STUDENTS.—New students will—

a) In case they come from a secondary school, present credentials to the Examiner for Secondary Schools and secure a card of admission credits. Those entering from colleges submit credentials to the Examiner for Colleges. This may be done by correspondence. New students are urged to send their credentials to the Examiner at least two days before they come to register.

b) *Matriculate* in the office of the Dean of the School or College to which admission is desired. Matriculation is granted on presentation of the proper credentials which entitle the student to enter the University. As evidence of admission the student is given a *matriculation card.* This card should be retained under all circumstances, as it must be shown whenever membership in the University is to be demonstrated.

c) *Register*, in the same office, the courses of study desired for the ensuing quarter. For this purpose the student will be given a *registration card* for the quarter, on which, after consultation with the Dean, the courses desired will be entered.

d) *Pay the University fees* for the ensuing quarter. In order to do this, the student will present the *matriculation card* and the proper *registration card* at the office of the Registrar, Cobb Hall, Room 7 A. On payment of fees the Registrar will stamp the matriculation card and return it to the student, together with a receipt for tuition fees and for laboratory fees (if any).

Tuition and other fees may conveniently be paid by check to the order of the University of Chicago. Details as to fees will be found below.

The names of the students will be sent to instructors as entitled to attend classes *only after the fees have been paid*, as above specified.

FEES FOR MATRICULATION, TUITION, DEPOSITS, AND APPARATUS

1. *Matriculation fee.*

a) The matriculation fee is $5, and is required of every student on entrance to the University. It is payable but once.

b) A medical student will also matriculate as a student of Rush Medical College. No extra fee is charged, and the matriculation is good for the complete medical course, including the clinical years.

c) An undergraduate student, candidate for a bachelor's degree, who wishes to take the medical course as a part of the work for the Bachelor's degree will matriculate also as a student of Rush Medical College at the beginning of the first year of his work in the medical course (see p. 16, 2 *c*). No extra fee is charged, and the matriculation is good for the complete medical course, including the clinical years.

NOTE.—Matriculation for Rush Medical College can be accomplished at the University through the Dean of Medical Students.

2. *Tuition fee.*

a) The tuition fee for the medical courses (3 to 3½ majors each quarter) is $60 per quarter, including all laboratory fees.

Under the medical-practice acts and the rules of the medical examining boards of most of the states of this country, an applicant for a license to practice must have attended at least four annual sessions in a recognized medical school. Therefore, a student taking the medical courses with a view of procuring the degree of M.D. must matriculate *as a medical student* at least forty-five months before the date of his expected graduation in medicine. From the date of such matriculation he is required to pay the tuition fee for the medical courses, whether he is registered as a Senior College student, a Graduate student, or as a Medical Course student.

In order that a Graduate student, Senior or Junior College student, may have his work

counted toward the M.D. degree, he must be matriculated as a student of Rush Medical College and must each quarter secure from the Dean of Medical Students a card of advice as to registration, and must present this card to his own Dean on registering with him.

NOTE.—A student who is taking the medical courses with *no* intention of securing the medical degree, may, if he prefers, pay the usual University fee of $40 per quarter, with additional laboratory fees as follows:

In Chemistry and Practical Gross Anatomy, $5 for a major course and $2.50 for a minor course.

In all Biological Laboratory courses, except Practical Gross Anatomy, $2.50 for a major course and $1.25 for a minor course.

b) Students taking two majors or less will pay $20 per major.

c) *All tuition and laboratory fees are due and payable on or before the* FIRST *day of* EACH QUARTER. *All fees are payable to the Registrar, Cobb Lecture Hall, Room 7A.*

Registration is not complete until all University bills are paid. Those who fail to meet this obligation within the first five days of the quarter are not regarded as members of the University. After the fifth day, to secure membership in the University the consent of the Dean and the payment of a fee of $5 for late registration will be required.

3. *Deposits.*

a) A deposit of $5 is required from each student to cover the cost of unnecessary damage in the University buildings, and of avoidable loss and breakage in the laboratories. The deposit must be made on entering the University. Deductions will be made from this deposit to cover the cost of articles not returned, or of damage to University property. Each student will be charged for damage or loss for which he is individually responsible, and for his *pro rata* share of damage or loss, the responsibility for which cannot be individually located. The balance will be refunded.

b) Each student who procures a skeleton from the Osteological Laboratory will deposit $12 for the same, which sum will be refunded when the skeleton is returned uninjured; he may, however, retain the skeleton, if he so desires, in exchange for the amount deposited.

4. *Microscopic and other laboratory apparatus and supplies.*

a) A compound microscope is required for most of the medical courses. Every student is strongly advised to purchase a good microscope, with an immersion lens, in order that he may become familiar with the same instrument which he will use after his graduation. Students not possessing a microscope may rent one from the University Supply Department, at a cost of $1.50 per quarter for a compound microscope, and $1 additional for an immersion lens.

b) Biological coupon tickets ($2.50 or $5) may be procured from the Registrar for the purchase, at the Supply Department, of dissecting instruments, microscope slides, covers, and slide-boxes, chemical apparatus (breakage), and such other appliances as may be required in the laboratory courses.

c) Students taking courses in Chemistry are required to purchase Chemistry coupon tickets. Unused portions of coupon tickets are refunded.

d) The necessary textbooks may be purchased at the University Press.

e) All students taking courses in the Department of Physical Culture are required to provide themselves with a gymnasium suit for use in the gymnasium. The cost of such a suit is about $4

ROOMS, BOARD, AND GENERAL EXPENSES

There are nine dormitories on the University quadrangles. Two of these are reserved for the students of the Divinity School, and four are for women. A University House is organized in each dormitory; each House has a Head, appointed by the President of the University, and a House Committee, elected by the members; also a House Counselor, selected from the Faculties of the University by the members of the House. The membership of the House is determined by election, and each House is self-governing under the general control of the University Council.

The cost of rooms in the dormitories is from $20 to $74 per quarter of twelve weeks. This includes heat, light, and care. Each hall for women has separate dining-hall and parlors. The cost of table board in these halls is $42 a quarter.

All applications for rooms, or for information concerning rooms and board within or without the quadrangles, should be made to the Registrar.

For further details, see special circulars as to rooms and board, which will be sent on application.

The following table will furnish an estimate of the annual expenses for thirty-six weeks of a student in the University, residing within the quadrangles:

	Lowest	Average	Liberal
University bill, tuition*	$180.00	$180.00	$180.00
Rent and care of room	60.00	105.00	225.00
Board	100.00	126.00	225.00
Laundry	15.00	25.00	35.00
Textbooks and stationery	10.00	20.00	50.00
Total	$365.00	$456.00	$715.00

It is believed that students who find it necessary to reduce expenses below the lowest of these estimates can do so. Rooms outside the quadrangles, furnished with heat, light, and care, may be obtained at from $1.25 a week upward, the $1.25 rate being easily secured where two students room together. Many places offer room and board from $4.50 upward. The Men's Commons, Hutchinson Hall, offers to students meals *à la carte.* During the Summer Quarter the Men's Commons will be open to both men and women. A list of approved boarding places outside the quadrangles is kept on file at the Registrar's Office, Cobb Lecture Hall, and information regarding them may there be obtained.

GENERAL INFORMATION FOR STUDENTS ENTERING THE JUNIOR AND SENIOR CLASSES AT RUSH MEDICAL COLLEGE

Attendance.—In order to be properly credited with attendance on any given term or course, it is imperative that students be present at the opening of each quarter. *After the second day of any quarter no student can register except by special consent of the Dean, and the payment of $5 late registration fee.*

Matriculation.—Each student matriculates on entering the college for the first time, but not for subsequent quarters. *Matriculation may be accomplished by mail.*

Registration.—Each student registers at the beginning of each quarter, or earlier if desired, by the payment of the tuition fee for the quarter, and filing a registration card.

In case of early registration this card is retained at the Registrar's office and *must be reclaimed by the student in person on the first or second day of the quarter. If not reclaimed at that time, the student's registration for the quarter will be canceled, and can only be restored by the Dean and the payment of $5 late registration fee.*

A student, upon entering the College at the beginning of his first quarter, will procure from the Registrar a blank application for admission, fill out the same carefully, and return it to the Registrar, with the matriculation fee, for which he will receive a a receipt.

The student will then present himself to the Dean of Students, and exhibit to him the credentials for admission to advanced standing. (See requirements for Admission to Advanced Standing, p. 18.)

The Dean will issue a card certifying admission to the proper class, and will advise respecting the courses of study to be taken.

COLLEGE FEES

Matriculation fee $5, payable but once.

Tuition for each quarter, $60.

A discount of $5 is made when the fee for three successive quarters is paid in advance.

No student can be assigned to any College work until his fees are paid.

There has been a gradual increase in the tuition fee during the last few years, *but a student in continuous attendance (at least two quarters each year) may complete the medical curriculum by paying the fees in vogue at the time of his matriculation.*

The annual ticket for the County Hospital is $5.00, which is procured from the Warden at the Hospital.

DEPOSITS

A deposit of $5 is required from each student to cover the cost of unnecessary damage in the College buildings, and of avoidable loss and breakage in the laboratories. Deductions will be made from this deposit to cover the cost of articles not returned, or of damage to College property. Each student will be charged for damage or loss for which he is individually responsible, and for his *pro rata* share of damage or loss, the responsibility for which cannot be individually located. The deposit must be made on entering the College.

Members of the graduating class may rent from the College the cap and gown worn at the commencement exercises. These articles are to be returned in good order.

PHYSICIAN'S FEE

Graduates of this College are admitted to all lectures upon the payment of annual fee of $5. Graduates of other colleges, attending the full course, will pay the fees of undergraduate students.

*Medical students attending the first quarter must pay the matriculation fee of $5 to the University.

Special laboratory courses may be taken on the payment of a fee of $20 for each Major course.

Graduates of this or other colleges who are visiting the city for a brief time are cordially welcomed, but are requested to procure complimentary tickets at the office.

No one is authorized to make any modification of the terms regarding fees. On financial matters the Registrar, who represents the Comptroller at the College office, should be consulted.

The right is reserved to make changes in the fees, curriculum, or in any other matter at any time.

SCHEDULE OF LECTURE HOURS

Schedules are issued from the College office giving the time and place of each exercise.

BOARD AND LODGING

Rooms may be obtained in the vicinity of the College at from $1 to $3 per week. Day board may be had at from $2 to $5 per week. Board and room together may be obtained at from $3.50 to $7 per week. A Bureau of Information is maintained at the College to which students may apply for directions as to desirable board and lodging.

Books and Instruments.—The average annual cost of the required books and instruments varies from $15 to $20.

The following table will furnish an estimate of the expenses of a student for each year:

	Lowest	Average	Liberal
Tuition for each year	$180.00	$180.00	$180.00
Board and room	129.00	180.00	252.00
Laundry	15.00	21.00	36.00
Books and Instruments	15.00	21.00	36.00
Incidental expenses	45.00	75.00	105.00
Total	$384.00	$477.00	$609.00

THE YOUNG MEN'S CHRISTIAN ASSOCIATION

A branch of the Young Men's Christian Association is in active operation at Rush Medical College, and the headquarters of the West Side Association are situated within a short distance of the College buildings. Membership in this Association, with the privilege of gymnasium, bathrooms, lecture courses, etc., may be obtained through the Rush Medical branch at reduced prices.

Further information in regard to the Association may be obtained by application to the Rush Medical branch of the Association.

THE QUARTER SYSTEM

The academic year of the University of Chicago and of Rush Medical College is divided into four quarters. These are designated as the Summer, Autumn, Winter, and Spring Quarters, beginning, respectively, about June 16, the first of October, the second of January, and about the first of April, each continuing for twelve weeks. A recess of one week occurs between the end of each quarter and the beginning of the next following, excepting that there is no recess between the end of the Spring and the beginning of the Summer Quarter, and that there is a recess of one month at the close of the Summer Quarter.

THE MEDICAL CURRICULUM AS RELATED TO THE QUARTER SYSTEM

The general course of instruction in Rush Medical College requires four years of study in residence, with a minimum of attendance upon three quarters of each year. These years are designated as the Freshman, Sophomore, Junior, and Senior years, respectively.

A student may begin his college work on the first day of any quarter (see, however, p. 27, § 5), and may continue in residence for as many successive quarters as he desires, and will receive credit for work accomplished. Attendance during all the four quarters of the year is optional, but will not secure a time credit of more than one year in a medical school. At least forty-five months must elapse between the date of the first matriculation and the date of graduation. Under the restrictions imposed, this system does not conflict with the existing medical-practice acts, nor with the rulings of the various State Boards of Medical Examiners.

THE SUMMER QUARTER

Attention is directed to the special opportunities afforded for medical study in the Summer Quarter. The climate of Chicago is particularly well adapted to midsummer work. Instruction in all departments is given in the Summer Quarter.

DEFINITION OF MAJOR AND MINOR

A Major course is defined as a didactic or recitation course, occupying 5 hours a week for one quarter (a total of 60 hours), or a laboratory, practical, or clinical course, occupying 10 hours a week for one quarter (a total of 120 hours). A double major occupies twice the number of hours per week for the quarter.

A Minor course is a didactic or recitation course, occupying 5 hours a week for one-half a quarter, of six weeks; or a laboratory course, occupying 10 hours per week for a similar period. The value of each course in the following departmental statements is stated as a *major* (Mj), a *double major* (DMj), a *minor* (M), a *double minor* (DM), or the decimal fraction of a *major* or *minor*.

GRADUATE COURSES IN MEDICINE FOR PHYSICIANS AND ADVANCED STUDENTS

Special opportunities are afforded to physicians and graduate students at Rush Medical College and at the University for advanced and research work in Physics, Chemistry, Zoölogy and Embryology, Anatomy, Neurology, Physiology, Physiological Chemistry, and Pharmacology, and in Pathology and Bacteriology in Medicine, Surgery, Obstetrics, Gynecology, and in the other clinical departments. Research work may be conducted independently, or under the direction of an instructor in the department to which it belongs.

Physicians are admitted on payment of the matriculation fee, and payment of fees in proportion to the amount of work taken (see p. 23). The applicant's fitness for any course which he desires to take should be ascertained by consultation with the head of the respective department.

All of the courses offered are well adapted to students of this class, and they are outlined in pages 29–57 of this *Circular*. Correspondence is invited in reference to special work other than the courses offered. It will be sufficient to address letters in reference to such courses to Rush Medical College.

Students desiring to engage in work leading to the degrees of Master of Science, Master of Arts, Master of Philosophy, or to the degree of Doctor of Philosophy, are requested to write for the *Circular of Information* of the Graduate Schools, the University of Chicago.

THE DEGREES OF S.B., A.B., AND PH.B.

I. MEDICAL WORK IN THE COURSES FOR THE BACHELOR'S DEGREE

The first two years' work in Medicine consists entirely of courses in pure science, which are open as electives to all candidates for a Bachelor's degree at the University, who have had the necessary preliminary work in science.

Medical work in the course for the degree of the Bachelor of Science.—A student who has completed the work of the Junior College of Science (two years) at the University, or the second year at a college of good standing, and whose credits are accepted as a full equivalent of the corresponding courses at the University, may enter the Senior College (first year) at the University and take the first two years' work in Medicine as the third and fourth years of his Bachelor's course; and provided he also takes, either in an extra quarter or as extra work during three quarters, the specified required courses (three courses in History and Philosophy) in the Senior College of Science, or has already taken these courses as electives in the Junior College, he may receive the degree of S.B. on the completion of the second year's work in Medicine.

For the completion of the required work for the degree of S.B. and of the first two years in Medicine, a student will need, altogether, four years, or four years and a quarter, after entering the Junior College (Freshman year), or two years, or two years and a quarter, after entering the Senior College (Junior year), depending on the amount of work he carries per quarter and the nature of the work he presented for entrance.

Candidates for the S.B. degree who intend to study Medicine are strongly advised to take in their first two years at College (Freshmen and Sophomore years) a large amount of work in Physics, Chemistry, and Biology, as giving the best foundation for the study of Medicine (see below recommended course of study for students preparing to study Medicine).*

Medical work in the course for the Bachelor of

*See also the article in the Medical Number of the *University Record*, May, 1903, which may be had on application.

Arts or Philosophy.—A student who has completed the work of the Junior College of Arts or Literature (two years) at the University of Chicago, or the Sophomore year at a college of good standing, whose credits are accepted by the University as a full equivalent to the correspondent courses, may enter the Senior College (third year) at the University and take from one to one and a half years' work in Medicine as part of the Bachelor's course, and, provided he also takes the required work of the Senior College of Arts or Literature (four courses), receive the degree of A.B. or Ph.B. on the completion of two years' work in college. The remainder of the medical work of the first two years may be taken after graduation, and with all the privileges of graduate students.

For the completion of the required work for the degree of A.B. or Ph.B., and of the first two years' work in Medicine, a student will need from four and a half to five years after entering the first year of the Junior College, or two and a quarter to three years after entering the Senior College (Junior year) of the University of Chicago.

Candidates for the A.B. or Ph.B. degree who intend to study Medicine are strongly advised to take in their first three years at college a large amount of work in Physics, Chemistry, and Biology, as giving the best foundation for the study of Medicine (see below recommended course of study for students preparing to study Medicine).

For information in detail regarding the requirements for the Bachelor's degrees at the University of Chicago see Circular of Information for the Colleges, which will be sent on application.

II. COURSE OF COLLEGE STUDIES RECOMMENDED FOR STUDENTS PREPARING TO STUDY MEDICINE

1. The College studies which are recommended for students preparing to study Medicine are as follows:* **English,** 3 majors; **French or German,** 3 majors (a reading knowledge in whichever of these languages is presented must be obtained from these courses and those offered for admission to College); **Mathematics,** 2 majors; **History,** 2 majors; **Philosophy,** 1 major; General Biology, 1 major; Physics, 2 or 3 majors; Chemistry, 3 to 6 majors; General Chemistry; Qualitative Analysis, Organic Chemistry; Comparative Anatomy, 1 or 2 majors.

These eighteen (18) to twenty-four (24) majors will require six (6) to eight (8) quarters for completion. The History and Philosophy, or part of the Chemistry, may be taken during the time that the student is doing his first two years' work in Medicine.

2. For students who wish to devote three years in college in preparing for Medicine before entering on medical work proper, the following courses are recommended for the choice of additional electives: Greek, 3 majors; Calculus, 1 major; Elementary Botany, 1 major, Course 1; General Morphology of Thallophytes, 1 major, Course 7; Introductory Physiology, 1 major, Course 1; Physical Chemistry, 1 major, half-major, Courses 31 and 32 or Course 23; Quantitative Chemical Analysis, 1 major, Course 9; Physiography, 1 major.

THE WORK OF THE MEDICAL COURSE FOR THE FRESHMAN AND SOPHOMORE YEARS

1. *Outline of the course.*—The course for the first two years' work in Medicine consists mainly of instruction in the fundamental medical sciences: Human Anatomy, Microscopic Anatomy, Histology, Neurology, and Embryology, Physiology, Physiological Chemistry, Toxicology, Pharmacology, Bacteriology, and Pathology. All this work is given at the University of Chicago.

2. *Amount of work.*—The amount of work required is 18 majors. A *Major* (Mj) is the unit of work, and consists of 5 hours per week in classroom throughout one quarter (12 weeks) or the equivalent amount of laboratory work a week (a total of 60 hours' classroom work or the equivalent amount of laboratory work). Two hours of laboratory work are regarded as the equivalent of one hour of classroom work.

A *Minor* (M) consists of 5 hours a week in classroom throughout one term (6 weeks) or the equivalent amount in the laboratory (a total of 30 hours of classroom work, or an equivalent amount of laboratory work).

A *Double Major* (DMj) course occupies twice as many hours per week as does a major; a *half-Major* course (½Mj), one-half the time per week.

3. *The curriculum.*

a) The following courses constitute the curriculum recommended for and pursued by the majority of the students.†

(1) CHEMISTRY: The Chemistry of Medicinal Drugs, ½ major (19)‡.

*The required courses for the S.B. degree are given in bold-faced type; the courses recommended to be chosen as electives are given in common type.

†Detailed statements concerning the courses are given below under the various departments of instruction. They should be consulted in every case *in regard to equivalent courses which may be submitted for those whose numbers are given in the above table.*

‡The numbers in parentheses refer to the course numbers in the corresponding department.

(2) ANATOMY: 7½ majors as follows:
Human Anatomy (Dissecting), 4 majors (1, 2, 3, 4).
Splanchnology, Histology and Cytology, 1½ majors (10, 11).
Embryology, 1 major (Zoölogy 20 or 21).
Neurology, 1 major (Anatomy 17).

(3) PHYSIOLOGY: 6½ majors as follows:
Physiology, 3½ majors (12, 13, 14).
Physiological Chemistry, 1½ majors (19 or 20).
Pharmacology, 1½ majors (21).

4) PATHOLOGY: 3½ majors, as follows:
Bacteriology, 1½ majors (1).
Pathology, 2 majors (2A, 2B).

4. *Election of medical courses.*—Students with adequate preparation and special qualifications are permitted to elect other courses (usually advanced or research work), in lieu of some of those above prescribed.

In electing his work the student should bear in mind:

a) That the right of election must be confirmed in writing in advance by the Dean and by the head of the department concerned.

b) That his registration for each quarter must receive the approval of the Dean.

c) That the prerequisites for any course must have been satisfied before the course can be elected.

d) That a minimum amount of work in the several branches is required for graduation in Medicine.

5. *Arrangement of courses.*—The order of courses has been arranged in such a way as to insure for the student beginning his medical studies with any single quarter of the year a complete annual course during any three consecutive quarters; *but students are advised to begin their medical work proper with the Autumn Quarter, if possible.*

ARRANGEMENT OF COURSES FOR SIX QUARTERS

The following table shows the arrangement of the courses for the six quarters of work comprised in the first two years of Medicine and the recommended sequence of studies. No student, however, is obliged to follow the order given, or to take full work in any quarter. Credit will be given for every course satisfactorily completed.

FIRST NINE MAJORS OF WORK

(Freshman year of the Medical Course)

Autumn Quarter, 1907

Subject	Department	Course No.	Value
Splanchnology, Histology, and Cytology	Anatomy	10	1 Mj
Dissection (Human)	Anatomy	1 or 3 and 4	2 Mj
Physiological Chemistry	Physiology	19	1½ Mj

The following other courses are given in this quarter and are open to students with advanced standing and the necessary prerequisites: Bacteriology, Physiology, Analytical Chemistry, laboratory work in Organic Chemistry, Human Anatomy, and advanced work in all the departments.

Winter Quarter, 1908

Subject	Department	Course No.	Value
Splanchnology, Histology, and Cytology	Anatomy	11	½ Mj
Dissection (Human)	Anatomy	1, 2, or 3	1 Mj
Physiological Chemistry	Physiology	20	1½ Mj

Other courses given are: Analytical and Organic Chemistry, Physiology, Pathology, and advanced work in all the departments.

Spring Quarter, 1908

Subject	Department	Course No.	Value
Embryology	Zoölogy	20	1 Mj
Physiology	Physiology	12	1 Mj
Neurology	Anatomy	17	1 Mj

Other courses given are: Analytical and Organic Chemistry, Chemistry of Medicinal Drugs, Pathology, Pharmacology, and advanced work in all the departments.

SECOND NINE MAJORS OF WORK

(Sophomore year of the Medical Course)

Autumn Quarter, 1907

Subject	Department	Course No.	Value
Bacteriology	Pathology	1	1½ Mj
Physiology	Physiology	13	1½ Mj

Other courses given are: Human Anatomy and advanced work in all the departments.

Winter Quarter, 1908

Subject	Department	Course No.	Value
Physiology	Physiology	14	1 Mj
Pathology	Pathology	2A	1 Mj
Dissection	Anatomy	2 or 4	1 Mj

Other courses given are: Splanchnology, Physiological Chemistry, and advanced work in all the departments.

Spring Quarter, 1908

Subject	Department	Course No.	Value
Pathology	Pathology	2B	1 Mj
Pharmacology	Physiology	21	1½ Mj
Chemistry of Medicinal Drugs	Chemistry	19	½ Mj

Other courses given are: Embryology, Physiology, Human Anatomy, Neurology, and advanced work in all the departments.

THE WORK OF THE CLINICAL YEARS

ELECTIVE AND OPTIONAL COURSES

A certain number of courses, especially in the Freshman and Sophomore years of study, are required as essential to securing credit in making up the four-year curriculum which must precede graduation. All of the courses offered in the Junior and Senior years are elective; that is, the student will be required to select from the list of elective courses a number sufficient to insure him credit for about eleven majors each year. The term "major" is fully explained in another paragraph. By this system the student can select, not only his line of study, but also his teachers in such special lines; and can, further, so arrange his work that in successive years he can practically include all branches taught in the College. He will be required to present, however, a minimum amount of credit in each department. See requirements for graduation (p. 19).

Advice by the head of each department as to the recommended sequence of courses is contained in a circular of information issued to each student at the beginning of the Autumn Quarter.

The quarter system with elective courses is especially well adapted to the medical curriculum, and possesses the advantage of allowing each student to select a portion of his studies, and so to adapt his course to his tastes, his abilities, and his needs.

Optional courses, in addition to those described above, are offered to students who desire to add to the regular work as outlined in the requirements for graduation. These optional courses are designed to promote a higher scholarship, and to increase facilities for work in special departments.

FIFTH YEAR

Beginning with the session of 1905–6, a *fifth year* was added to the curriculum which, until further announcement, will be optional. The work of the year will be that of

(A) Graduate work in one of the departments of the College; or

(B) An internship in a hospital under the following conditions:

1. Each student taking such work will be under the constant supervision of the Faculty, by whom the hospital in which the internship is taken must be approved.

2. The student must present evidence of thorough clinical work, and if possible, an exhaustive study of a selected group of clinical cases involving original work.

3. He will be required to pass a special examination at the end of the year.

On the successful completion of this fifth year he will receive the degree of Doctor of Medicine *cum laude.*

I. THE DEPARTMENT OF ANATOMY

(AT THE UNIVERSITY DEPARTMENT XXIII AND INCLUDING COURSES IN THE DEPARTMENT OF ZOÖLOGY)

OFFICERS OF INSTRUCTION

ROBERT RUSSELL BENSLEY, A.B., M.B., *Professor of Anatomy.*
CHARLES JUDSON HERRICK, S.M., PH.D., *Professor of Neurology.*
JOHN GORDON WILSON, A.M., M.B., *Assistant Professor of Anatomy.*
GEORGE ELMER SHAMBAUGH, M.D., *Instructor in Anatomy of the Ear, Nose, and Throat.*
BASIL COLEMAN HYATT HARVEY, A.B., M.B., *Instructor in Anatomy.*
DANIEL GRAISBERRY REVELL, A.B., M.D., *Instructor in Anatomy.*
ELIZABETH HOPKINS DUNN, A.M., M.D., *Associate in Anatomy.*
EDWIN GARVEY KIRK, S.B., *Associate in Anatomy.*
EMIL GOETTSCH, PH.D., *Associate in Anatomy.*
JOHN SUNDWALL, PH.D., *Assistant in Anatomy.*
FRANK ADOLPH ST. SURE, S.B., *Assistant in Anatomy.*

FELLOWS, 1907-8

JAMES PATTERSON, S.B.
RALPH SHELDON, A.B., A.M.

INTRODUCTORY

The Hull Laboratory of Anatomy of the University of Chicago has been especially fitted out for graduate work, including advanced courses in Human Anatomy and Embryology, as well as original research in these subjects. Opportunities are afforded for Graduate students who wish to pass on to the higher degrees of A.M., S.M., or Ph.D.

COURSES OF INSTRUCTION

PRIMARILY FOR THE SENIOR COLLEGES

1. **Dissection of Arm (Human).**—The student makes a complete dissection of all structures, using atlases and textbooks as guides. The work is largely independent. A dissection must be completed in the quarter in which it was undertaken. Mj. Autumn Quarter
Repeated in Winter and Spring Quarters
Laboratory: Mon., Fri., 2:00–5:00.
ASSISTANT PROFESSOR WILSON, DRS. HARVEY, GOETTSCH, SUNDWALL, AND OTHERS
(Laboratory fee, $5.00)

2. **Dissection of Leg (Human).**—The arrangements for this course are similar to those for Course 1.
Mj. Autumn Quarter
Repeated in Winter and Spring Quarters
(Laboratory fee, $5.00)

3. **Dissection of Head, Neck, and Spinal Column (Human).**—The arrangements for this course are similar to those for Course 1.
Mj. Autumn Quarter
Repeated in Winter and Spring Quarters
(Laboratory fee, $5.00)

4. **Dissection of Thorax and Abdomen (Human).**—The arrangements for this course are similar to those for Course 1.
Mj. Autumn, Winter, and Spring Quarters
Prerequisite: *Courses 1, 2, and 3.*
(Laboratory fee, $5.00)

5. **Dissection of Abdomen (Human).**—The arrangements for this course are similar to those for course 1.
Mj. Autumn, Winter, and Spring Quarters
Prerequisite: *Courses 1, 2, and 3.*
(Laboratory fee, $5.00)

6. **Human Osteology.**—A systematic study of the human skeleton will be undertaken. The bones of the human body will be drawn, or modeled in clay, in the laboratory. The structure of the composite bones will be considered from the comparative and embryological standpoints.
½Mj. Autumn and Summer Quarters
Lecture: Tu., 8:30.
Laboratory: Tu., 9:30–1:00.
MESSRS. REVELL AND KIRK
(Laboratory fee, $1.25)

7. **Topographical Anatomy.**—A laboratory course in human anatomy, including dissection and the study of models, preparations, and transverse sections. Mj. Summer Quarter
Repeated in Spring Quarter, 1908
ASSISTANT PROFESSOR WILSON
Prerequisite: *Courses 1, 2, 3, 4.*
(Laboratory fee, $5.00)

10. **Splanchnology, Histology, and Cytology.**—A brief course on the structure of the cell and elemen-

tary tissues will be followed by a study of the structure of the various viscera.

Mj. Autumn Quarter

Lectures: Mon., Fri., 9:30.

Laboratory: Mon., Fri., 10:30–1:00; Th., 11:00–1:00.

Dr. Revell, Mr. Kirk, and others

(Laboratory fee, $2.50)

13. **Splanchnology, Histology, and Cytology** (Advanced).—In this course the student will undertake a thorough study of the structure of the important organs. A knowledge of the normal appearance and texture of the organs will be gained by the dissection of fresh specimens, the dissecting microscope being used to supplement the information gained by ordinary methods of dissection. Finally the compound microscope will be employed in the study of prepared sections. ½Mj or 1Mj. Winter Quarter

Lectures: Wed. and Fri., 9:30.

Laboratory: Th. and Fri., 10:30–1:00.

Wed., 11:00–1:00.

Dr. Revell, Mr. Kirk, and others

(Laboratory fee, $2.50)

16. **Elementary Neurology.**—An elementary course on the structure of the central nervous system.

Mj. Autumn Quarter

Two lectures.

Seven hours laboratory work. Dr. Dunn

Prerequisite: *Course 10.*

(Laboratory fee, $2.50)

17. **Gross and Microscopic Anatomy of the Human Central Nervous System and Sense Organs.**—This is a required course for Medical students.

Mj. Spring Quarter

Lectures: Mon., Tu., 8:30.

Recitation: Wed., 8:30.

Laboratory: Mon., Tu., and Wed., 11:00–1:00.

Professor Herrick,

Dr. Dunn, and assistants

Prerequisite: *Microscopic Anatomy.*

(Laboratory fee, $2.50)

20. **Anatomy of the Ear, Nose, and Throat.**—Special anatomy for practicing physicians. This course will consist of laboratory work, lectures, and demonstrations of anatomical preparations.

DM. First Term, Summer Quarter

Lectures and Laboratory: Mon., Th., 1:30–4:30.

Dr. Shambaugh

(Laboratory fee, $2.50)

23. **Anatomy of the Pharynx and Larynx.**—Special course for practicing physicians, to consist of lectures and laboratory work on the development, gross anatomy, and microscopic anatomy of these organs.

DM. First Term, Summer Quarter

Lectures and Laboratory work: Mon., Tu., Wed., Th., 2:00–5:00.

Assistant Professor Wilson

(Laboratory fee, $2.50)

Primarily for the Graduate School

25. **Comparative Neurology.**—The evolution of the architecture and functions of the Vertebrate nervous system. Mj. Autumn Quarter

Two lectures.

Six hours laboratory work.

Professor Herrick and Dr. Dunn

Prerequisite: *Course 16 or 17.*

(Laboratory fee, $2.50)

26. **Mammalian Neurology.**—With special reference to the structure of the human brain.

Mj. Winter Quarter

Two lectures.

Six hours laboratory work.

Professor Herrick and Dr. Dunn

Prerequisite: *Course 25.*

(Laboratory fee, $2.50)

28. **Neurological Research.**

3Mjs. Autumn, Winter, and Spring Quarters

Professor Herrick

Admission to this course will be granted only after consultation with the Professor of Neurology. A good knowledge of general anatomy, physiology, and neurology will be expected.

29. **Neurological Seminar.**

3Mjs. Autumn, Winter, and Spring Quarters

Th., 4:00–6:00. Professor Herrick

30. **Comparative Anatomy, Histology, and Histogenesis of the Organs of Secretion and Absorption.**

3Mjs. Autumn, Winter, and Spring Quarters

Lectures and Laboratory work: Mon.–Fri., 2:00–4:00.

Professor Bensley

Prerequisite: *Human or Comparative Anatomy and Histology.*

(Laboratory fee, $2.50 per Mj.)

31. **Gross and Microscopic Structure of the Organs of Special Sense.**

2Mjs. Autumn and Winter Quarters

Lectures and Laboratory work: Mon.–Th., 11:00–1:00.

Assistant Professor Wilson

Prerequisite: *Same as for Course 30.*

(Laboratory fee, $2.50 per Mj.)

32. **Organs of Internal Secretion.**
Mj. Winter Quarter
Lectures and Laboratory work: Mon.–Th., 8:30–10:30.
DR. HARVEY
Prerequisite: *Same as for Course 30.*
(Laboratory fee, $2.50)

33. **Morphology of the Blood and Blood-forming Organs.** Mj. Spring Quarter
Lectures and Laboratory work: Tu.–Fri., 8:30–10:30.
DR. SUNDWALL
Prerequisite: *Same as for Course 30.*
(Laboratory fee, $2.50)

34. **Cytology and Histology.**
2Mjs. Autumn and Winter Quarters
Two lectures.
Six hours Laboratory work.
DR. REVELL
Prerequisite: *Same as for Course 30.*
(Laboratory fee, $2.50 per Mj.)

41. **Research Work.**—The laboratory is equipped for the original investigation of anatomical problems. Suitably trained and endowed students who have the time to do such work, will be encouraged to undertake it. 2 to 4Mj
PROFESSOR BENSLEY

42 **Seminar.**—A limited number of students can, by special arrangement, be admitted to a seminar, in which subjects of current interest in Gross or Microscopic Anatomy will be discussed.
1–2Mj. Autumn and Winter Quarters, Fri., 4:00. PROFESSOR BENSLEY

XXII. THE DEPARTMENT OF ZOÖLOGY

AT THE UNIVERSITY

OFFICERS OF INSTRUCTION

CHARLES OTIS WHITMAN, PH.D., LL.D., *Professor and Head of the Department of Zoölogy; Curator of the Zoölogical Museum.*
FRANK RATTRAY LILLIE, PH.D., *Professor of Embryology; Assistant Curator of the Zoölogical Museum.*
CHARLES MANNING CHILD, PH.D., *Assistant Professor of Zoölogy.*
WILLIAM LAWRENCE TOWER, S.B., *Assistant Professor of Zoölogy.*
REUBEN MYRON STRONG, PH.D., *Instructor in Zoölogy.*
VICTOR ERNEST SHELFORD, S.B., *Associate in Zoölogy.*

SAMUEL WENDELL WILLISTON, M.D., PH.D., *Professor of Paleontology; Lecturer on Evolution of Vertebrates* (1907–8).
JOHN THOMAS PATTERSON, S.B., *Laboratory Assistant in Zoölogy.*

FELLOWS, 1907–8

GEORGE W. BARTELMEZ, S.B. MARION LYDIA SHOREY, PH.B, A.M.
KATASHI TAKAHASHI, SC.D.

COURSES OF INSTRUCTION

1. **Elementary Zoölogy.**—The lectures and laboratory work include studies of representative animals and of general zoölogical topics.
Mj. Autumn Quarter
Lectures: Tu., Th., 3:00.
Laboratory: Mon., Fri., 2:00–5:00.
DR. STRONG

2. **General Biology.**—Lectures and laboratory work dealing with topics of a general biological nature, such as: protoplasm; the cell; structure and activities of types of animals.
Mj. Winter Quarter
Lectures: Mon., Tu., 3:00.
Laboratory: Th., Fri., 2:00–5:00.
DR. STRONG
DM. First Term, Summer Quarter
Lectures: Mon.–Fri., 1:30–4:00.
Laboratory: 12 hrs., 1:30–4:30.
MR. PATTERSON

3. **Field Zoölogy** (Introductory Course).—Animals in relation to their environment, including work on adaptations, life-histories, habits, ecological distribution, and classification.
Mj or DMj. Autumn Quarter

Lectures: Wed. and Fri., 2:00.

Laboratory or field-work: Mon., Tu., 2:00–4:00, and Saturday morning. For DMj., 12 hours additional laboratory or field-work.

Mr. Shelford

DM. First Term, Summer Quarter

Lectures: Tu. and Fri., 1:30.

Laboratory or field-work: Afternoons and Saturday mornings, 16 hours per week.

Mr. Shelford

No previous training in zoölogy required.

5. **Invertebrate Zoölogy.**—Study of representatives of the lower invertebrate groups, Protozoa, Porifera, Coelentera, Platyhelminthes, and Nemathelminthes; including the anatomy of the adult and the life-history, together with some discussion of habits and distribution. Mj

Lectures: Tu., Th., 2:00.

Laboratory: Mon., Wed., Fri., 2:00–4:00.

Assistant Professor Child

Prerequisite: *Course 2.*

[Not to be given in 1907–8]

6. **Invertebrate Zoölogy** (Course 5 continued).—Study of representatives of the higher invertebrate groups. The subject-matter of this course differs in successive years, consideration of the Echinoderms, Molluscs, Annelids, and allied groups alternating with consideration of the Arthropods. Mj

Lectures and Laboratory as in Course 5.

Assistant Professor Child

Prerequisite: *Course 2.*

[Not to be given in 1907–8]

7. **Invertebrate Zoölogy.**—Study of representatives of the principal invertebrate groups, including adult anatomy and life-history, habits, and distribution.

DM. First Term, Summer Quarter

Lectures: Mon., Tu., Wed., Th., 8:00.

Laboratory: Daily, 9:00–12:00; 12 hrs. per week. Assistant Professor Child

[Not to be given in 1907]

9. **Vertebrate Zoölogy.**—Study of representatives of the principal vertebrate groups, including general anatomy, classification, life-histories, habits, general physiology, and field-work. The laboratory work consists of dissection of typical representatives of several groups.

DM. Second Term, Summer Quarter

Lectures: Mon.–Fri., 8:00.

Laboratory Work: 9:00–12:00; 12 hrs. per week. Mr. Riddle

Senior College Courses

10. **Comparative Anatomy and Zoölogy of the Vertebrates.**—A laboratory study of types, with dissections, followed by lectures with demonstrations of the comparative anatomy of organs, classification, range of distribution, and evolution of the vertebrates, living and extinct.

Mj. Autumn Quarter, Mon.–Fri., 3:00–5:00

Professor Williston

Prerequisite: *Course 2 or equivalent.*

[Not to be given in 1907]

11. **Comparative Anatomy and Zoölogy of the Vertebrates.**— Continuation of Course 10 (Reptiles, Birds).

Mj. Winter Quarter; Mon.–Fri., 3:00–5:00

Professor Williston

[Not to be given in 1907]

12. **Comparative Anatomy and Zoölogy of the Vertebrates.**—Continuation of Course 11 (Mammals).

Mj. Spring Quarter; Mon.–Fri., 3:00–5:00

Professor Williston

[Not to be given in 1907]

12A. **Comparative Anatomy of the Vertebrates** (Brief Course).—A laboratory study of types with dissections followed by lectures and demonstrations.

Mj. Winter Quarter; Mon.–Fri., 3:00–5:00

Professor Williston

13. **Field Zoölogy** (Advanced Course). — A study of the local fauna with special reference to ecological distribution and animal societies.

Mj or DMj. Spring Quarter

Lectures: Wed. and Fri., 2:00.

Laboratory or field-work: Mon., Tu., 2:00–4:00, and Saturday morning, or the equivalent.

Mr. Shelford

DM or M. Second Term, Summer Quarter

Lectures: Tu. and Fri., 1:30.

Laboratory or field-work: Afternoons and Saturdays.

Mr. Shelford

Prerequisite: *Either Course 3 or Courses 1 and 2, or the equivalent.*

14. **Studies of Birds.**—This course will include studies of the structures, habits, and colors of birds.

Mj or DMj. Spring Quarter

Lectures: Mon., Tu., 3:00.

Laboratory: Th., Fri., 2:00–4:00.

Field-work as arranged.

Dr. Strong

20. **Vertebrate Embryology.**—Birds and mammals. Lectures, demonstrations, and laboratory work. Mj or DMj. Spring Quarter
Lectures: Mon., Tu., Sat., 8:30.
Laboratory:
Sec. *a;* Wed., Th., Fri., 8:30–10:30.
Sec. *b;* Th., Fri., 2:00–5:00.
PROFESSOR LILLIE, ASSISTANT PROFESSOR TOWER, AND ASSISTANTS
Prerequisite: *Courses 2, and Anatomy 10, 11, and 12, or their equivalents.*

21. **Embryology.**—Lectures, demonstrations, and laboratory work.
DM. First Term, Summer Quarter
Lectures: Mon., Th., 11:30.
Laboratory: Daily, 8:00–11:30; 12 hrs. per week.
MR. RIDDLE

29. **Marine Biology** at the Marine Biological Laboratory at Wood's Holl, Mass. Credit is given at the University of Chicago for courses taken at this laboratory. DMj. Summer Quarter
PROFESSORS WHITMAN AND LILLIE

GRADUATE COURSES

The more advanced courses offered in the Department of Zoölogy are fully described in the Circular of Information of the Graduate Schools, which may be had on application.

II. DEPARTMENT OF PHYSIOLOGY

(AT THE UNIVERSITY DEPARTMENT XXIV, INCLUDING PHYSIOLOGICAL CHEMISTRY AND PHARMACOLOGY)

OFFICERS OF INSTRUCTION

GEORGE NEIL STEWART, D.Sc., M.D., *Professor and Head of the Department of Physiology.*
ALBERT PRESCOTT MATHEWS, PH.D., *Professor of Physiological Chemistry.*
DAVID JUDSON LINGLE, PH.D., *Assistant Professor of Physiology.*
ANTON JULIUS CARLSON, A.M., PH.D., *Assistant Professor of Physiology.*
WALDEMAR KOCH, PH.D., *Assistant Professor of Pharmacology.*
SAMUEL ALEXANDER MATTHEWS, M.D., *Assistant Professor of Experimental Therapeutics.*
ALBERT WOELFEL, M.D., *Associate in Physiology.*
FRANK HENRY PIKE, A.B., *Associate in Physiology.*
JAMES RICHARD GREER, S.B., *Assistant in Physiology.*
DENNIS EMERSON JACKSON, A.B., *Assistant in Pharmacology.*
HERBERT HORACE BUNZEL, S.B., *Assistant in Physiological Chemistry.*
EARL BALL, *Mechanical Assistant.*

FELLOWS, 1907-8

FRANK CHRISTIAN BECHT, S.B. (*Physiology*)
LIBORIO GOMEZ, A.B., (*Physiology*)
PAUL EDWARD HOWE, S.B. (*Physiological Chemistry and Pharmacology*)

INTRODUCTORY

Courses 12, 13, 14, 19, 20, and 21 are required for medical students. All special and research courses are open to students who have had sufficient preliminary training.

COURSES OF INSTRUCTION

JUNIOR COLLEGE COURSES

1 and 2. **Introductory Physiology.**—These courses are intended to familiarize the student with the elementary facts concerning the structure and functions of the human body. Students are urged to take both courses. No prerequisites are demanded for Course 1. Course 1 is prerequisite to Course 2.

*1. Physiology of Blood, Circulation, Respiration, Digestion, Secretion, and Absorption.
Mj. Autumn Quarter
Lectures: Three a week.

* The laboratory work of 1 and 2 may be taken as a Major in the Summer Quarter by students already sufficiently qualified in the lecture work. The laboratory work in this quarter will be specially adapted to teachers.

Laboratory: 4 hrs. a week.
ASSISTANT PROFESSOR LINGLE
Repeated. Winter Quarter
ASSISTANT PROFESSOR LINGLE
Given Summer Quarter. DM. First Term

*2. Physiology of Metabolism, Muscles, the Nervous System and Senses. A continuation of Course 1. Mj. Winter Quarter
Lectures: Three a week.
Laboratory: 4 hrs. a week.
Mj. Winter Quarter
ASSISTANT PROFESSOR LINGLE
Repeated. Spring Quarter
ASSISTANT PROFESSOR LINGLE
Given Summer Quarter. DM. Second Term

SENIOR COLLEGE COURSES

†12. **Physiology of Blood, Circulation, and Respiration.** Mj. Spring Quarter
Lectures: Two a week.
PROFESSOR ———
Recitations and conference: One hour a week.
ASSISTANT PROFESSORS LINGLE AND CARLSON AND DR. WOELFEL
Laboratory: 6 hrs. a week.
ASSISTANT PROFESSOR CARLSON, DR. WOELFEL, AND MESSRS. PIKE AND GREER
Prerequisite: *Physiological Chemistry.*
(Laboratory fee, $2.50)

*13. **Physiology of Digestion, Metabolism, Absorption, Secretion, Muscles, and Heat.** 1½Mj. Autumn Quarter
Lectures: Three a week.
Recitations: Two hrs. a week.
PROFESSOR ———
ASSISTANT PROFESSORS LINGLE AND CARLSON, DR. WOELFEL, AND MR. PIKE
Laboratory: 7 hours a week.
ASSISTANT PROFESSOR CARLSON, DR. WOELFEL, AND MESSRS. PIKE AND GREER
Prerequisite: *Physiology 12.*
(Laboratory fee, $2.50)

*14. **Physiology of the Nervous System and the Senses.** Mj. Winter Quarter
Lectures: Two a week.
ASSISTANT PROFESSOR CARLSON
Recitations and Conference: One a week.
ASSISTANT PROFESSOR CARLSON, DR. WOELFEL, AND MR. PIKE
Laboratory: 6 hrs. a week.
ASSISTANT PROFESSOR CARLSON, DR. WOELFEL, AND MESSRS. PIKE AND GREER
Prerequisite: *Neurology 3.*
(Laboratory fee, $2.50)

15. **Special Physiology of Mammals.**—Including the repetition of experiments not given in the general courses. Saturdays, 8:00–12:30
½Mj. Summer Quarter
MR. PIKE
Repeated. Autumn Quarter
Prerequisite: *Physiology 12 or equivalent.*
(Laboratory fee, $1.25)

17. **Review Course in Physiology.**—A review course in Physiology, mainly in the laboratory, designed especially for students entering with advanced standing from other medical schools.
Mj. Summer Quarter
DR. WOELFEL

‡19. **Physiological Chemistry.**—Chemistry of the foods, digestion, and the general chemistry of the cell. 1½Mj. Autumn Quarter
Lectures: Three a week.
PROFESSOR MATHEWS
Recitations: Two a week.
Laboratory: 6 hrs. a week.
PROFESSOR MATHEWS AND MR. BUNZEL
Prerequisite: *General Chemistry and Quantitative Analysis; Elementary Organic Chemistry.* Quantitative Analysis is strongly recommended.
(Laboratory fee, $3.75)

20. **Physiological Chemistry.**—The chemistry of protoplasm; of the foods; of digestion, metabolism, and the excretions. 1½ Mj. Winter Quarter
Lectures: Three a week.
ASSISTANT PROFESSOR KOCH
Recitations: Two a week.
Laboratory: 7 hrs. a week.
ASSISTANT PROFESSOR KOCH AND MESSRS. JACKSON AND BUNZEL
Prerequisite: *The same as Course 19.*
(Laboratory fee, $3.75)

21. **Pharmacology.** 1½Mj. Spring Quarter
Lectures: Three a week.
PROFESSOR MATHEWS
ASSISTANT PROFESSOR KOCH

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*See footnote on preceding page.

†One of the Courses 12, 13, or 14 will be repeated in the Summer Quarter. The choice will depend upon the requirements of the majority of the applicants.

‡Either Course 19 or 20 may be counted as required credit in Physiological Chemistry for medical students.

Recitations: Two a week.
Laboratory: 7 hrs. a week.
PROFESSOR MATHEWS
ASSISTANT PROFESSOR KOCH
Given Summer Quarter, 1907, as 1½ Mj.
ASSISTANT PROFESOR KOCH
Prerequisites: *Physiology 12, 13, 14, and 20.*
(Laboratory fee, $3.75)

PRIMARILY GRADUATE COURSES

16. **Advanced Physiology of the Central Nervous System.** Mj. Spring Quarter
ASSISTANT PROFESSOR CARLSON
Prerequisite: *Physiology 14.*

30. **The Cells and Liquids of the Body in Their Physico-Chemical Relations.**
Mj. Autumn Quarter
PROFESSOR ———
Repeated in the Summer Quarter
PROFESSOR ———
(Laboratory fee, $2.50)

31. **Special Physiology of the Circulation.**
Mj. Winter Quarter
PROFESSOR ———
(Laboratory fee, $2.50)

32. **Animal Electricity.** Mj. Spring Quarter
PROFESSOR ———
(Laboratory fee, $2.50)

36. **The Action of Drugs on Mammals.**—An experimental course to a small number of students only. Mj. Autumn Quarter
PROFESSOR MATHEWS

37. **Methods of Quantitative Analysis in Physiological Chemistry as Applied to Plant and Animal Tissues.** Mj. Spring Quarter
ASSISTANT PROFESSOR KOCH

41. **Seminar.**—At times to be announced.
PROFESSOR ———

42. **Research Work in Physiological Chemistry.**
Mj or DMj. Throughout the year
PROFESSOR MATHEWS AND
ASSISTANT PROFESSOR KOCH

43. **Research Work in Pharmacology.**
Mj or DMj. Throughout the year
PROFESSOR MATHEWS AND
ASSISTANT PROFESSOR KOCH

44. **Research Work in Physiology.**
Mj or DMj. Throughout the year
ASSISTANT PROFESSOR CARLSON AND OTHERS

51. **General and Comparative Physiology** at the Marine Laboratory, at Wood's Holl, Mass.— Credit is given by the University of Chicago for courses taken at this Laboratory.
DMj. Summer Quarter
PROFESSOR MATHEWS,
ASSISTANT PROFESSOR CARLSON, AND OTHERS

III. DEPARTMENT OF CHEMISTRY, MATERIA MEDICA, AND TOXICOLOGY*†

(INCLUDING MEDICAL PHARMACY; AND COURSES IN DEPARTMENT XX, CHEMISTRY, AT THE UNIVERSITY OF CHICAGO)

Department of Chemistry, Toxicology, Materia Medica, and Medical Pharmacy at Rush Medical College.

OFFICERS OF INSTRUCTION

PROFESSOR WALTER S. HAINES, A.M., M.D., *Head of the Department.*
ASSISTANT PROFESSORS JEROME H. SALISBURY, A.M., M.D., JACOB ALLEN PATTON, B.S., M.D.,
ASSOCIATE FRANK G. MASON, PH.G., M.D.

Department of Chemistry, University of Chicago.

OFFICERS OF INSTRUCTION

JOHN ULRIC NEF, PH.D., *Professor and Head of the Department of Chemistry.*
ALEXANDER SMITH, PH.D., *Professor and Director of General and Physical Chemistry.*
JULIUS STIEGLITZ, PH.D., *Professor of Chemistry.*
HERBERT NEWBY McCOY, PH.D., *Assistant Professor of Physical Chemistry.*
LAUDER WILLIAM JONES, PH.D., *Assistant Professor of Analytical Chemistry.*
JOHN CHARLES HESSLER, PH.D., *Instructor in Chemistry.*

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*For courses in *Physiological Chemistry* see the Department of Physiology.

†The courses in Physics recommended to undergraduate students preparing to study medicine are the following courses offered in the Department of Physics.

THOMAS BRUCE FREAS, A.B., *Curator.*
WILLIS BOIT HOLMES, PH.D., *Associate in Chemistry.*
EDITH ETHEL BARNARD, S.M., *Associate in Quantitative Analysis.*
CHARLES MACDONALD CARSON, PH.D., *Research Assistant in Chemistry.*
JAMES WRIGHT LAWRIE, PH.D., *Research Assistant in Chemistry.*
WALTER STANLEY HAINES, A.M., M.D., *Professorial Lecturer on Toxicology.*

FELLOWS

1907-8

ERNEST ANDERSON, S.B., S.M., *Lowenthal Fellow*
KATHERINE BLUNT, A.B.
WINFORD LEE LEWIS, S.B.
JOHN JACOB PUTNAM, S.B.

INTRODUCTORY

In this department are offered (1) courses which are suited for providing the preparation in the science of Chemistry that is indispensable to the study and practice of Medicine; (2) courses which afford the student an opportunity for acquiring a more thorough and complete preparation for following intelligently the rapid advances in modern physiology and other medical subjects; and (3) courses which are indispensable for those who intend to assist in this advance by devoting themselves in part or exclusively to research in medical subjects, after completing their medical course.

*COURSES OF INSTRUCTION IN THE DEPARTMENT OF PHYSICS

JUNIOR COLLEGE COURSES

1. **Elementary Physics.** — A first course in the elements of Physics designed primarily for students who do not present entrance Physics.
   Mj. Autumn Quarter
   Class work: 11:00–12:00. Mon., Tu., Wed.
   Laboratory: 11:00–1:00. Th., Fri.
   ASSISTANT PROFESSOR GALE

2. **Elementary Physics.**— A continuation of the preceding course, covering the subjects of electricity, sound, and light. Mj. Winter Quarter
   Class work: 11:00–12:00. Mon., Tu., Wed.
   Laboratory: 11:00–1:00. Th., Fri.
   ASSISTANT PROFESSOR GALE

3. **Mechanics, Molecular Physics, and Heat.** — A general college course in mechanics, molecular physics and heat, presented mainly from the experimental standpoint. 10 hrs. a week.
   Mj. Summer Quarter; 8:00–10:00
   ASSISTANT PROFESSOR GALE

   Autumn Quarter—
   Sec. *a;* 8:30–10:30
   ASSISTANT PROFESSOR KINSLEY
   Sec. *b;* 11:00–1:00
   ASSOCIATE PROFESSOR MANN
   Sec. *c;* 2:00–4:00
   ASSOCIATE PROFESSOR MILLIKAN
   Winter Quarter; 8:30–10:30
   ASSOCIATE PROFESSOR MANN
   Spring Quarter; 8:30–10:30
   ASSISTANT PROFESSOR GALE
   Prerequisite: *Entrance Physics or Physics 1 and 2.*

4. **Electricity and Light.**—A general college course in electricity, sound, and light, presented mainly from the experimental standpoint, and involving the performance of eighteen laboratory exercises in electricity, four in sound, and six in light.
   Mj. Summer Quarter; 11:00–1:00
   ASSOCIATE PROFESSOR MILLIKAN
   Mj. Winter Quarter—
   Sec. *a;* 8:30–10:30
   ASSISTANT PROFESSOR KINSLEY
   Sec. *b;* 11:00–1:00
   ASSOCIATE PROFESSOR MILLIKAN
   Mj. Spring Quarter; 8:30–10:30
   ASSOCIATE PROFESSOR MANN
   Prerequisite: *Physics 3.*

5. **Lecture Demonstration Course.**—A course of lectures, demonstrations, and recitations supplementing Courses 3 and 4 and completing a year's work in college Physics. Recent discoveries and developments in Physics are given especial attention. 5 hrs. a week.
   Mj. Spring Quarter; 11:00
   ASSISTANT PROFESSOR GALE
   with occasional lectures by
   PROFESSOR MICHELSON
   Prerequisite: *Physics 3 and 4.*

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* Courses 1, 2, 3, and 4 in Physics, or a full equivalent, are required for admission to Rush Medical College, and Courses 1 and 2 prerequisite for the courses in Physics are fully described in the Circular of Information of the Colleges, University of Chicago, which may be had on application.

REQUIREMENTS AND ELECTIVES IN CHEMISTRY

General Organic Chemistry and Qualitative Analysis are now a prerequistite to the medical courses proper. The necessary knowledge of the subject can be obtained from Chemistry 1, 2, 3, 4, and 6, or Admission Chemistry and 2S, 4, and 6.

Organic Chemistry, 17 (Mj), Summer Quarter, or 14 and 15 (2Mj) may be substituted for Course 4.

Students who are preparing for the study of Medicine, and who are candidates for a Bachelor's degree in the University of Chicago, are strongly recommended to take at least two Majors more of Chemistry, viz., Quantitative Analysis, 8, and Physical Chemistry 28A and 28B.

Candidates for a Bachelor's degree who expect to do research work in Physiology or allied medical subjects may with advantage elect further courses from the following: Organic Chemistry 14, 15, and 16; or Advanced General Chemistry, 23.

COURSES OF INSTRUCTION

PRIMARILY FOR THE JUNIOR COLLEGES

1. **Elementary General Chemistry, Inorganic, I.**
DM. First Term, Summer Quarter
Classroom, 6 hrs. a week, 10:30.
Laboratory, 12 hrs. a week, 1:30–4:30.
ASSISTANT PROFESSOR JONES
Mj. Autumn Quarter
Classroom, 3 hrs. a week, 12:00.
Laboratory, 6 hrs. a week.
PROFESSOR SMITH
Mj. Spring Quarter

Prerequisite: *Preparatory Physics.*

2. **General Chemistry, Inorganic, II.**—Continuation of Course 1. Hours as in Course 1.
DM. Second Term, Summer Quarter
ASSISTANT PROFESSOR JONES
Mj. Winter Quarter
ASSISTANT PROFESSOR JONES

3. **General Chemistry, Inorganic, III.**—Continuation of Course 2. Hours as in Course 1.
Mj. Spring Quarter
PROFESSOR SMITH

1, 2, 3 are consecutive courses. Separate credit is given for each, but students are not advised to take one course only.

The aim of the continuous Courses 1, 2, 3 will be to give a definite idea of the fundamental principles of chemistry, and not to overburden the student with a mass of unconnected facts. The conception of chemical equilibrium and the modern theory of solutions are freely used. The lectures will be experimental to a considerable extent. The courses are designed to meet the wants, not only of those who wish to go deeper into chemistry, but of all who wish to study the science as part of a liberal education.

The lectures and classroom work of 1, 2, and 3 may be taken by Graduate students without the laboratory work or laboratory fee.

2S. **General Chemistry, Inorganic.**—*Special Course following Preparatory Chemistry.*
DM. First Term, Summer Quarter
Classroom, 6 hrs. a week; 10:30.
Laboratory, 12 hrs. a week; 1:30–4:30.
DR. CARSON
Mj. Autumn Quarter
Classroom, 3 hrs. a week; 8:30.
Laboratory, 6 hrs. a week.
ASSISTANT PROFESSOR MCCOY

Prerequisite: *Preparatory Chemistry* and *Physics, 1 unit each.*

3S. **General Chemistry, Inorganic.**—Continuation of Course 2S. Hours as in 2S.
DM. Second Term, Summer Quarter
ASSISTANT PROFESSOR JONES
Mj. Winter Quarter
DR. HOLMES

For description see under 3.

Course 2S in the Autumn is specially designed for students offering preparatory chemistry. Course 2 in the Winter is a continuation of Course 1, but may be entered by those having credit for admission chemistry. Whenever, in exceptional cases, the preparation of a student in 2S justifies it, qualitative analysis may be substituted for 3S.

4. **Elementary Organic Chemistry.**
Mj. Autumn Quarter
Classroom, 3 hrs. a week; 8:30.
Laboratory work, 6 hrs. a week.
ASSISTANT PROFESSOR JONES
Mj. Spring Quarter

Prerequisite: *Course 3, or 3S General Chemistry.*

6. **Qualitative Analysis.**—*Introductory Course.*
Mj or DM. Summer Quarter
Classroom, 2 hrs. a week.
Laboratory, 8 or 16 hrs. a week.

Lectures, 2:00
PROFESSOR STIEGLITZ AND DR. HOLMES
Autumn Quarter
PROFESSOR STIEGLITZ
Winter and Spring Quarters

Prerequisite: *Course 3*, or *3S*.

7. **Qualitative Analysis.**—Continuation of Course 6. Hours as in 6. Mj or DM. Summer Quarter
DR. HOLMES
Autumn Quarter
PROFESSOR STIEGLITZ
Winter and Spring Quarters

Courses 6, 7, 10 form a continuous course, which may be begun in any quarter.

The aim of Courses 6, 7, 10 will be to train the student to do intelligent analytical work based on a knowledge of the scientific principles of the subject and to apply and amplify his knowledge of General and Physical Chemistry.

8. **Quantitative Analysis.** — *Introductory Course.* Chiefly laboratory work in gravimetric and volumetric analysis.
Mj or DM. 8 or 16 hrs. a week, laboratory. Lecture 1 hour.
Summer and Winter Quarters
PROFESSOR STIEGLITZ AND MISS BARNARD
Autumn and Spring Quarters
MISS BARNARD
Prerequisite: *Qualitative Analysis* (Courses 6 and 7). Medical students will be admitted to the course after having taken Course 6.

9. **Quantitative Analysis.**—Continuation of Course 8. Mj or DM. 10 or 20 hrs. a week, laboratory.
Summer and Winter Quarters
PROFESSOR STIEGLITZ AND MISS BARNARD
Autumn and Spring Quarters
MISS BARNARD

Courses 8, 9, and 11 form a continuous course, which may be begun in any quarter.

PRIMARILY FOR THE GRADUATE SCHOOL

10. **Advanced Qualitative Analysis.**—Mj or DM. 10 or 20 hrs. a week, laboratory.
Summer Quarter
DR. HOLMES
Autumn Quarter
PROFESSOR STIEGLITZ
Winter and Spring Quarters

Open to College students. Continuation of Courses 6 and 7.

11. **Advanced Quantitative Analysis.**—Mj or DM. 10 or 20 hrs. a week.
Summer and Winter Quarters
PROFESSOR STIEGLITZ
Continuation of Courses 8 and 9. Open to students in the Senior Colleges.

12. **Elementary Spectrum Analysis (Qualitative).** — Emission (flame and electric spark) and absorption spectra of inorganic substances. Chiefly laboratory work. ½Mj. Winter Quarter
ASSISTANT PROFESSOR JONES
[Not to be given in 1908]

13. **Special Methods in Quantitative Analysis.**—Chiefly laboratory work.

13A.	Electrolytic Methods.	½Mj or Mj
13B.	Special Mineral Analysis.	Mj
13C.	Water Analysis.	½Mj
13D.	Gas Analysis.	½Mj
13E.	Organic Elementary Analysis.	½Mj
13G.	Iron and Steel Analysis.	½Mj or Mj
13H.	Proximate Food Analysis.	½Mj or Mj

Summer, Autumn, and Winter Quarters
PROFESSOR STIEGLITZ AND MISS BARNARD
Spring Quarter
MISS BARNARD
Prerequisite: *Quantitative Analysis, 8 and 9.*

13F. **Assaying.** — Fire-assay of gold, silver, and lead ores. Mj. Spring Quarter
MR. FREAS
Prerequisite: *General Chemistry, Qualitative and Quantitative Analysis* (Courses 8 and 9).

14. **Organic Chemistry.**—Lectures 3 hrs. a week.
Mj. Autumn Quarter; 11:00
PROFESSOR NEF
Prerequisite: *General Chemistry and Qualitative Analysis.*

15. **Organic Chemistry.**—Continuation of Course 14.
Mj. Winter Quarter; 11:00
PROFESSOR NEF

16. **Organic Chemistry.**—Continuation of Course 15.
M. First Term, Spring Quarter; 11:00
PROFESSOR NEF

Courses 14, 15, 16 form a continuous course, covering the compounds of carbon, including the fatty and the aromatic series. The aim of the course will be to take up very thoroughly the simpler compounds, going with great detail into the chemical behavior, the characteristic reactions, and relationships of the different classes of organic compounds, and considering with great care the synthetic methods by which they can be obtained. Richter's or Bernthsen's *Organic Chem-*

istry is used as a reference book, but recent literature will, in special cases, be considered in detail.

17. **General Organic Chemistry.**—Fatty and aromatic series.
Lectures, 5 hrs. a week.
Mj (or M. First Term) Summer Quarter; 8:30.
DR. HESSLER
Prerequisite: *General Chemistry and Qualitative Analysis.*

18. **Elementary Organic Preparations.**—Laboratory work; 10 hrs. a week. This course is arranged to accompany the lectures of Course 17. It may be taken without the lectures by students who have had organic chemistry.
½Mj or Mj. Summer Quarter
DR. HESSLER
Prerequisite: *As in Course 17.*

19. **The Chemistry of Drugs.**—A course dealing with the physicial and chemical properties of the chief medicinal drugs and their most important remedial preparations; 3 hrs. per week.
Tu., Th., Fri., 4:00. ½Mj
Spring Quarter
PROFESSOR HAINES

20. **Organic Preparations.**—Laboratory work, 10 or 20 hrs. a week.
Mj or DM. Autumn, Winter, and Spring Quarters. PROFESSOR NEF
Summer Quarter
DR. HESSLER
Prerequisite: *Qualitative and Quantitative Analysis*, and *Organic Chemistry* (it may be taken simultaneously in connection with lectures on Organic Chemistry). A reading knowledge of German is essential.

21. **Organic Preparations.**—Continuation of Course 20. Mj or DM
Autumn, Winter, and Spring Quarters
PROFESSOR NEF
Summer Quarter
DR. HESSLER

22. **Organic Preparations.**—Continuation of Course 21. Mj or DM
Autumn, Winter and Spring Quarters
PROFESSOR NEF
Summer Quarter
DR. HESSLER

23. **Physical Chemistry Applied to Problems in General Chemistry.**
PROFESSOR SMITH
Prerequisite: *College Physics, General Chemistry, and Qualitative Analysis.*
[Not to be given in 1907-8]

24. **Advanced Inorganic Chemistry.**—Two lectures a week on selected topics. ½Mj
Winter Quarter
ASSISTANT PROFESSOR JONES
Prerequisite: *General Chemistry and Qualitative Analysis.*
[Not to be given in 1908]

25. **Inorganic Preparations.**—Laboratory work.
Mj or DM. 10 or 20 hrs. a week
Autumn Quarter
ASSISTANT PROFESSOR JONES
Summer Quarter
DR. HESSLER
Prerequisite: *Qualitative and Quantitative Analysis, and a reading knowledge of German.*

26. **Inorganic Preparations.**—Continuation of Course 25. Mj or DM
Autumn and Winter Quarters
(———)

27. **Inorganic Preparations.**—Continuation of Course 26. Mj or DM
Autumn and Winter Quarters.
(———)

28A. **Elementary Physical Chemistry.**—With special reference to Physico-Chemical measurements.
½Mj. Summer and Spring Quarters
ASSISTANT PROFESSOR MCCOY
Prerequisite: *College Physics* (Course 1) *and Qualitative Analysis* (Course 6).

28B. **Practical Physical Chemistry.** ½Mj or M
First or Second Term, Summer Quarter
ASSISTANT PROFESSOR MCCOY
½Mj. Spring Quarter
ASSISTANT PROFESSOR MCCOY
Prerequisite: *College Physics* (Course 1), *Quantitative Analysis* (Course 8); Course 28A should accompany or precede this course.

28C. **Practical Physical Chemistry**—(continuation).
½Mj or M. Autumn Quarter
ASSISTANT PROFESSOR MCCOY

29. **Chemical Dynamics.** ½Mj. 2 hrs. a week.
Autumn Quarter; 12:00
ASSISTANT PROFESSOR MCCOY
Prerequisite: *Elementary Physical and Organic Chemistry, including laboratory work; the elements of Calculus.*

29A. **Chemical Dynamics and Electro-Chemistry.**
Mj. Summer Quarter
ASSISTANT PROFESSOR MCCOY

30. **Electro-Chemistry.**
½Mj. 2 hrs. a week. Spring Quarter
ASSISTANT PROFESSOR MCCOY
Prerequisite: *Elementary Physical Chemistry, including laboratory work; the elements of Calculus.*

30A. **Laboratory Course in Radioactivity.**
½Mj or M. Summer Quarter
ASSISTANT PROFESSOR MCCOY

31. **Advanced Physical Chemistry.** — Laboratory course. Mj or DM
Summer, Autumn, and Spring Quarters
ASSISTANT PROFESSOR MCCOY
Prerequisite: *College Physics, 1 year.* Course 29 should accompany or precede this course.

32. **Advanced Physical Chemistry.** — Laboratory course. Continuation of Course 31.
Mj or DM. Summer, Autumn, and Spring Quarters
ASSISTANT PROFESSOR MCCOY

33. **Research Work.**—This course will include from 30 to 40 hrs. a week of laboratory work, under the special direction of some one of the instructors in the department. It is expected that research work for a Ph.D. thesis will require 4–6 Quarters, 4–6 DMj.

33*a*. *Research in Organic Chemistry.*— Autumn, Winter and Spring Quarters.
PROFESSOR NEF

33*b*. *Research in General Chemistry.* — Winter and Spring Quarters.
PROFESSOR SMITH

33*c*. *Research in Organic and Physico-Organic Chemistry.* — Summer, Autumn, Winter, and Spring Quarters.
PROFESSOR STIEGLITZ

33*d*. *Research in Physical Chemistry.*—Summer, Autumn, and Spring Quarters.
ASSISTANT PROFESSOR MCCOY

Before being admitted to Research, a candidate must satisfy the instructors of the Department, by an oral test, or otherwise, that his previous training has been sufficient.

34. **Physical Chemistry Applied to Organic Problems.** Lectures, 2 hrs. a week.
½Mj. Winter Quarter
PROFESSOR STIEGLITZ
Prerequisite: *Organic Chemistry and Elementary Physical Chemistry.*

35. **The Carbohydrates and the Terpenes** (and their derivatives). Autumn Quarter.
PROFESSOR STIEGLITZ
Prerequisite: *Organic Chemistry.*
[Not to be given in 1907–8]

36. **Organic Nitrogen Derivatives.**— Uric acid series; pyridine, quinone-imides, and phenazine compounds; a discussion of the alkaloids, ptomaines and organic dye-stuffs.
½Mj. Winter Quarter
PROFESSOR STIEGLITZ
Prerequisite: *Organic Chemistry.*
[Not to be given in 1907–8]

37. **Special Chapters of Organic Chemistry.**— Lectures, 4 hrs. a week.
M. Second Term, Spring Quarter
PROFESSOR NEF
Prerequisite: *Organic Chemistry.*

38. **The Aromatic Series.**— Lectures, 2 hrs. a week.
——— Quarter
PROFESSOR STIEGLITZ
Prerequisite: *Organic Chemistry.*

39. **The Atomic Theory.**
½Mj. Autumn Quarter
ASSISTANT PROFESSOR MCCOY

40. **Training Course in the Teaching of Chemistry.**— This course, for prospective teachers in secondary schools, will include: (1) In Autumn, observation of teaching in several schools in the city and reports on the same; (2) in Winter, a series of conferences on the didactic of chemistry; (3) in Spring, practice-teaching in the University High School and in the Junior Colleges under criticism and supervision.
1½Mj. Continued through Autumn, Winter, andSpring Quarters.
PROFESSOR SMITH
Prerequisite: *Chemistry* 1, 2, 3, 4, 6, 7, 8, 28A, 28B; *Physics* 1, 2, 3, or their equivalents, must precede or accompany this course.
[Not to be given in 1907–8]

42. **History of Chemistry.**— Two hours a week. Winter Quarter. ½Mj
DR. HESSLER

43. **Club Meetings.**—Meetings will be held twice a month. They may be attended by anyone interested, whether connected with the University or not; the subjects for the meetings will be announced at least one week beforehand.
Summer, Autumn, Winter, and Spring Quarters
VARIOUS MEMBERS OF THE STAFF

44. **The Chemistry of Photography.** ½Mj
[Not to be given in 1907–8]

45. **Radioactivity and the Nature of Matter.**—Lectures.
M. First Term, Summer Quarter
ASSISTANT PROFESSOR MCCOY
Prerequisite: *Elementary Physical Chemistry.*

46. **Progress of Physical Chemistry in Last Two Years.**—Lectures.
M. Second Term, Summer Quarter
ASSISTANT PROFESSOR MCCOY
Prerequisite: *Elementary Physical Chemistry.*

47. **Debatable Questions in General Chemistry.**—For teachers and others. ½Mj. Summer Quarter
ASSISTANT PROFESSOR JONES

48. **History of Science (Physical).**—A continuation of Philosophy 9, History of Science (ancient). A discussion of the origin and the evolution of modern physical science in its relation to the growth of civilization.
Winter Quarter; 11:00
MESSRS. MOULTON, MANN, AND SMITH

INSTRUCTION AT RUSH MEDICAL COLLEGE

51. **Toxicology.**—An advanced conference and laboratory course, dealing with the physical and chemical properties of the more important poisons, their effects and treatment, and their detection.
Conferences and Laboratory: Tu., 11:00; Th., Fri., 10:00–12:00; 60 hours. .8 Mj
PROFESSOR HAINES,
ASSISTANT PROFESSOR SALISBURY
[Not to be given in 1907–8]

52. **Clinical Chemistry.**—A lecture, conference, and laboratory course, dealing with the urine, gastric contents, and other animal fluids, in their relation to disease, and embracing the composition of these fluids, the chemical and microscopical detection of abnormal constituents, and the interpretation of their clinical significance.
Lectures, Conferences, and Laboratory: Tu., 11:00; Th., Fri., 10:00–12:00; 60 hours. .8 Mj
PROFESSOR HAINES,
ASSISTANT PROFESSOR SALISBURY
[Not to be given in 1907–8]
Course 52 may be counted as a part of the four required majors in Medicine.

53. **Materia Medica, Medical Pharmacy, and Toxicology.**—A lecture and conference course, dealing with the physical, chemical, and pharmaceutical properties of medicinal agents and their toxicology.
Lectures and Conferences: Mon., Tu., Fri., Sat., 9:00; 48 hours. .8 Mj
Autumn Quarter, 1907; Spring Quarter, 1908
PROFESSOR HAINES
AND ———

53A. **Materia Medica and Medical Pharmacy.**—A laboratory course supplementary to Course 53.
Tu., Fri., Sat., 10:00; 48 hours. .4 Mj
Autumn Quarter, 1907; Spring Quarter, 1908
PROFESSOR HAINES AND DR. ———

54. **Principles of Prescribing.**—A lecture and conference course, occupying two hours weekly for one term, on the principles of prescription-writing. Classes limited to twenty-four.
The first term Summer and Autumn Quarters, 1907. Mon., Th., 10:00; 12 hours. .4 M
DR. MASON

V. DEPARTMENT OF THERAPEUTICS AND PREVENTIVE MEDICINE

OFFICERS OF INSTRUCTION

INGALS PROFESSOR AND HEAD OF THE DEPARTMENT OF THERAPEUTICS ———
ASSOCIATE PROFESSOR JAMES C. GILL.
INSTRUCTOR EDWARD B. HUTCHINSON.
ASSOCIATE CHARLES E. BLOMGREN, HUGO AD OLDENBORG, ROBERT J. GAY, DANIEL R. BROWER, JR., ERNEST E. IRONS.
ASSISTANTS MYRA H. JONES, GERTRUDE THOMPSON, SARAH BENEDICT.

INTRODUCTORY

The course in Preventive Medicine is given to the Senior class and consists of lectures and conferences.

A course in the principles of Therapeutics is given to the Junior class three times a week throughout the Winter Quarter, by means of lectures and conferences. One of these hours is devoted chiefly to instruction in Prescription-writing from a therapeutic standpoint. The work is continued during the Spring Quarter by means of a conference course.

A course in Practical Therapeutics is offered in the Junior year in which the student is personally taught manipulative methods, including Massage, Electricity, Hydrotherapy, etc., and the practical care of the sick.

It is intended that this department shall supplement the work of the department of Medicine by dealing considerably more in detail with the technique of treatment.

COURSES OF INSTRUCTION

JUNIOR YEAR

1. **Therapeutics.**—A lecture and prescription-writing course.
   Lectures: Tu., Sat., 8:00.
   Prescription-writing: Th., 8:00.
   Winter Quarter. .6 Mj
   ASSOCIATE PROFESSOR GILL AND DR. MASON
   Prerequisite: *Materia Medica* (Course III-53).

2. **Therapeutics.**—A conference course in continuation of Course 1.
   Tu., Sat., 8:00. Spring Quarter. .4 Mj
   DRS. HUTCHINSON, GAY, AND IRONS
   Prerequisite: *Course 1.*

3. **Practical Therapeutics.**—A laboratory and practical course in Massage, Hydrotherapy, Aerotherapy, Electrotherapy, Cooking for the Sick, and the general Management of the Sick, with clinical application. Given to the class in sections.
   Mon., Wed., 5:00 to 6:00, and Tu., Th., 2:00 to 4:00.
   First and Second Terms, Winter and Spring Quarters. .3 Mj
   DR. BROWER, MR. OLDENBORG, AND MISSES JONES, THOMPSON, AND BENEDICT

4. **Prescription-Writing.**—An advanced therapeutic course in the art of prescription-writing.
   Th., 8:00. Spring Quarter. .2 Mj
   DR. MASON
   Prerequisite: *Course 1.*

SENIOR YEAR

5. **Preventive Medicine.**—A lecture and conference course.
   Tu., Th., and Sat., 8:00.
   Autumn Quarter. .6 Mj
   DR. GAY

7. **Kinesitherapy.**—A practical course in Kinesitherapy, with demonstration of all forms of massage and muscular training upon selected patients.
   Mon., Wed., Fri., 8:00 to 10:00.
   Autumn, Winter, and Spring Quarters. .6 Mj
   HUGO AD OLDENBORG

VI. THE DEPARTMENT OF PATHOLOGY AND BACTERIOLOGY

(AT THE UNIVERSITY DEPARTMENT XXVIII)

OFFICERS OF INSTRUCTION

LUDVIG HEKTOEN, M.D., *Professor of Pathology, and Head of the Department of Pathology and Bacteriology.*
EDWIN OAKES JORDAN, PH.D., *Professor of Bacteriology.*
HARRY GIDEON WELLS, PH.D., M.D., *Assistant Professor of Pathology.*
PRESTON KYES, A.M., M.D., *Assistant Professor of Experimental Pathology.*
NORMAN MACLEOD HARRIS, M.B., *Assistant Professor of Bacteriology.*
HOWARD TAYLOR RICKETTS, M.D., *Assistant Professor of Pathology.*
BROWN PUSEY, M.D., *Instructor in the Pathology of the Eye.*
THOR ROTHSTEIN, A.B., M.D., *Instructor in Neuropathology.*
R. E. BUCHANAN, S.B., *Assistant in Bacteriology.*
MARY HEFFERAN, PH.D., *Assistant and Curator of the Bacteriological Museum.*

AT RUSH MEDICAL COLLEGE

EDWIN RAYMOND LE COUNT, M.D., *Associate Professor of Pathology.*
GEORGE H. WEAVER, M.D., *Associate Professor of Pathology.*
PETER BASSOE, M.D., *Assistant Professor of Pathology.*
EVARTS A. GRAHAM, A.B., *Fellow in Pathology.*

FELLOWS AT THE UNIVERSITY OF CHICAGO
1907-8

ROBERT LOUIS BENSON, A.B., A.M. (Pathology). DAVID DUKE TODD, S.B. (Bacteriology).

INTRODUCTORY

The courses offered by the Department include such as cover the required work in Pathology and Bacteriology in the curriculum of Medicine, as well as advanced courses arranged for those desiring a more extended knowledge of the subjects, and for those wishing to qualify themselves for research.

At the University of Chicago the Department possesses all necessary equipment for pathologic and bacteriologic work. There is access to a good museum for teaching purposes, and to complete files of the important serial publications. Any recent standard textbook may be used for the courses in this department.

For each Major or Double Minor Course requiring laboratory work the laboratory fee is $2.50.

The Pathological Laboratory of Rush Medical College possesses about one hundred microscopes, some fourteen microtomes, and all necessary equipment for pathologic and bacteriologic work. The laboratory has a good museum for teaching purposes and a special departmental library containing complete files of the important pathological and bacteriological journals in the English, French, and German languages. Adjacent hospitals furnish abundant material for demonstration, advanced work, and research.

COURSES OF INSTRUCTION

Senior College Courses

1. **Pathogenic Bacteria.**—General aspects of Bacteriology, designed primarily for Medical students. 120 hours. 1½ Mj. Summer Quarter; 1:30–4:30
Assistant Professor Harris and Mr. Buchanan
Repeated in Autumn Quarter.
Sec. *a*, daily 2:00–4:00
Sec. *b*, daily 11:00–1:00
Professor Jordan, Assistant Professor Harris, and Mr. Buchanan

1B. **General Bacteriology.**—For Non-Medical students. Mj. Spring Quarter
Assistant Professor Harris and Mr. Buchanan

2A. **General Pathology and Pathological Histology.**—A practical laboratory course in general pathologic histology, supplemented by experiment, by the study of fresh and museum specimens, and by recitations in general pathology.
108 hours. 1Mj. Winter Quarter
Assistant Professors Wells, Ricketts, and Assistants
Recitations: Two hours a week.
Laboratory: Seven hours a week.
Prerequisite: *Histology, Bacteriology, General Physiology, Human Anatomy, and Physiological Chemistry.*

2B. **General Pathology and Pathological Histology.** Continuation of 2A in Spring Quarter.
108 hours. Mj
(2A and 2B will be given in the Summer Quarter, 1907, as 2DM.)
Assistant Professors Wells, Ricketts, and Assistants

3. **Lectures in General Pathology.**—Supplementary to Course 2B. ½Mj. Spring Quarter
The Instructors of the Department

4. **Advanced Bacteriology.**—Open to a limited number of specially prepared students and graduates in medicine. Lectures on specially selected topics. Repeated each quarter. Hours to be arranged. Mj
Professor Jordan and Assistant Professor Harris

5. **Public Hygiene.**—The applications of Bacteriology to municipal hygiene. Water supply, food supply, sewage disposal, etc. ½Mj
Spring Quarter
Professor Jordan

Graduate Courses

8. **Pathology of the Eye.**—Special advanced pathology for practicing physicians and advanced students. Hours arranged for each student.
DM. First Term, Summer Quarter
Dr. Pusey

9. **Advanced Pathology.**—Open to a limited number of students who have credit in general pathology. Laboratory work will be given in patho-

logical technique, the study and recording of autopsies, and special pathological material.

Weekly conferences. Mj. Each Quarter

Hours arranged for each student.

ASSISTANT PROFESSORS WELLS OR RICKETTS

10. **Research in Pathology.**—Open to a limited number of specially qualified students and graduates in medicine. Mj or DMj. Each Quarter

Hours to be arranged for each student.

PROFESSOR HEKTOEN, ASSISTANT PROFESSORS WELLS AND RICKETTS

11. **Research in Bacteriology.**

Mj or DMj. Each Quarter

PROFESSOR JORDAN AND ASSISTANT PROFESSOR HARRIS

12A. **Special Pathology.**—A course of recitations, with demonstrations of anatomical specimens, on the pathological processes occurring in the different viscera. ½Mj. Summer Quarter

Hours to be arranged.

ASSISTANT PROFESSOR WELLS

Prerequisite: *General Pathology.*

12B. **Laboratory Course.**—Supplementary to 12A.

½Mj. Summer Quarter

Hours arranged for each student.

ASSISTANT PROFESSOR WELLS

13A. **Laboratory Course in Immunity.** — Immunization of animals. Cytolysis (including hemolysis and bacteriolysis), agglutination, toxins and antitoxins, etc. An experimental course.

Hours to be arranged.

½Mj or M. Summer Quarter

ASSISTANT PROFESSOR RICKETTS

Prerequisite: *Bacteriology and General Pathology.*

13B. **Lecture Course in Immunity.**—This will include a consideration of the theories of immunity, the reactions and substances concerned, and the present status of immunity in various infectious diseases; also compensation and adaptation in disease processes.

Supplementary to 13A, but may be taken independently. ½M or M. Summer Quarter

Hours to be arranged.

ASSISTANT PROFESSOR RICKETTS

Prerequisite: *Bacteriology and General Pathology.*

15. **Neuropathology.**—A special course for advanced students and physicians in the pathology of the nervous system.

DM. First Term, Summer Quarter

Hours to be arranged.

DR. ROTHSTEIN

[Not to be given in 1907]

16. **Sanitary Aspects of Milk Supply.**—Practice in laboratory methods of the examination of milk. Limited to six students. Mj. Winter Quarter

Hours to be arranged.

ASSISTANT PROFESSOR HARRIS

Prerequisite: *Chemistry and Bacteriology.*

17. **Sanitary Water Analysis.**—Chemical, bacterial, and microscopical methods. Lectures and laboratory work. Mj. Winter Quarter

MR. ———

Prerequisite: *Chemistry 8 and Bacteriology.*

JUNIOR AND SENIOR COURSES (WEST SIDE)

12. **Special Pathologic Anatomy and Histology.**—Limited to forty students. Practical instruction is given in the methods of making post-mortem examinations and of recording the results. The student studies and describes the gross and microscopic appearance of diseased organs and tissue. Bacteriologic and chemic methods and experiments are employed whenever indicated, and the clinical relations (pathologic physiology) of the morbid conditions are emphasized.

Daily 11:00 to 1:00, except Saturday, and autopsies two hours weekly. 120 hours.

Mj. Autumn, Winter, and Spring Quarters

ASSOCIATE PROFESSOR LECOUNT

Prerequisite: *Courses Pathology 2A and 2B.*

13. **The Histology and Diagnosis of Tumors.**

Daily 3:00 to 5:00.

M. Second Term, Autumn Quarter

ASSOCIATE PROFESSOR LECOUNT

Prerequisite: *Courses Pathology 2A and 2B.*

15. **Chemical Pathology.**—The physics and chemistry of pathologic processes. A lecture course covering the subject of general pathology from the chemical standpoint, and also certain of the diseases of intoxication.

½ Mj. Winter Quarter

ASSISTANT PROFESSOR WELLS

17. **Advanced Laboratory Work and Research in Pathology.**—Open to a limited number of

specially qualified students and graduates in medicine.

Hours arranged for each student. Credit given based on time and quality of work.

Throughout the year
PROFESSOR HEKTOEN,
ASSOCIATE PROFESSOR LECOUNT,
AND ASSISTANT PROFESSOR BASSOE

Prerequisite: *Courses Pathology 2A, 2B, and 12.*

20. **Pathology of the Nervous System.**—A laboratory course in the Pathology of the nervous system.

Mon., Wed., Fri., 3:00–5:00.

Limited to ten students.

M. First Term, Winter Quarter
ASSISTANT PROFESSOR BASSOE

Prerequisite: *Courses Pathology 2A, 2B, and 12.*

VII. DEPARTMENT OF MEDICINE

OFFICERS OF INSTRUCTION

PROFESSOR AND HEAD OF THE DEPARTMENT OF MEDICINE, FRANK BILLINGS.

EMERITUS PROFESSOR NORMAN BRIDGE.

PROFESSORS DANIEL R. BROWER, JOHN M. DODSON, JAMES B. HERRICK, ALFRED C. COTTON, HENRY B. FAVILL, BERTRAM W. SIPPY.

ASSOCIATE PROFESSOR ISAAC A. ABT.

ASSISTANT PROFESSORS JEROME H. SALISBURY, B. M. LINNELL, S. R. SLAYMAKER, JOSEPH A. CAPPS, WILLIAM J. BUTLER, FRANK S. CHURCHILL, JOSEPH L. MILLER, JAMES A. HARVEY, JAMES C. GILL, GEORGE W. HALL, WILLIAM L. WILSON, THEODORE TIEKEN, THOR. ROTHSTEIN.

INSTRUCTORS J. W. VANDERSLICE, JOSEPHINE YOUNG, ALEXANDER F. STEVENSON, JULIA D. MERRILL, RALPH W. WEBSTER, ALEXANDER C. SOPER, MOSES M. PORTIS, J. M. WASHBURN, J. C. FRIEDMAN, E. C. ROSENOW, L. M. LOEB, J. L. JACQUE.

ASSOCIATES A. A. SMALL, ROLLIN T. WOODYATT, ISIDORE B. DIAMOND, W. H. WALKER, ELIZABETH H. DUNN, WILBER E. POST, LEON BLOCH, I. J. FRANKLIN, D. R. BROWER, JR., ROBERT SONNENSCHEIN, F. W. ALLIN, J. H. OTRADOVEC, ERNEST E. IRONS, WILLIAM J. SWIFT.

ASSISTANTS MICHAEL L. GALLAGHER, BATHENA COONE, S. KRUMHOLZ, JOHN C. WEST, GRACE H. CAMPBELL, R. E. KEATING, FINDLAY JOHN.

DANE BILLINGS' FELLOW IN MEDICINE, EDWARD C. ROSENOW.

EXTRA-MURAL TEACHERS

AT THE WEST SIDE HEBREW DISPENSARY

ASSOCIATE CLINICAL PROFESSOR (*extra-mural*) SIDNEY KUH.

ASSISTANT CLINICAL PROFESSOR (*extra-mural*) ROSA ENGELMAN.

CLINICAL INSTRUCTOR (*extra-mural*) A. W. SCHRAM.

CLINICAL ASSISTANTS (*extra-mural*) MAY MICHAEL, FRANK B. HARMISON.

AT THE CHICAGO ISOLATION HOSPITAL

ASSOCIATE CLINICAL PROFESSOR (*extra-mural*) HEMAN SPALDING.

AT THE ALEXIAN BROTHERS' HOSPITAL

ASSISTANT CLINICAL PROFESSOR, J. H. HOELSCHER.

AT ST. ANTHONY'S HOSPITAL

CLINICAL INSTRUCTOR (*extra-mural*) FRED J. E. EHRMANN.

COURSES OF INSTRUCTION

Junior Year

1. **The Anatomy, Physiology, and Hygiene of Infancy.**—A recitation and conference course.
Mon.. Wed., Fri., 8:00. 18 hours. .6M
First Term, Summer Quarter
First Term, Winter Quarter
Dr. West

2. **General Symptomatology.**—A recitation and conference course.
Mon., Wed., Fri., 8:00. 18 hours. .6M
Second Term, Summer Quarter
Dr. Stevenson

3. **Diseases of the Blood, and Infectious Diseases.**—A recitation and conference course in sections limited to twenty students each.*
Mon., Wed., Fri., 8:00. 36 hours. .6Mj
Autumn Quarter
Section M.—Assistant Professor Slaymaker
Section N.—Assistant Professor Harvey
Section O.—Assistant Professor Hall
Section P.—Assistant Professor Wilson

4. **Diseases of the Alimentary Tract, of the Liver, and General Diseases.**—A recitation and conference course in sections limited to twenty students each.*
Mon., Wed., Fri., 8:00. 36 hours. .6Mj
Winter Quarter
Section M.—Assistant Professor Slaymaker
Section N.—Assistant Professor Harvey
Section O.—Assistant Professor Hall
Section P.—Assistant Professor Wilson

5. **Diseases of the Kidney and of the Nervous System and General Diseases.**—A recitation and conference course in sections limited to twenty students each.*
Mon., Wed., Fri., 8:00. 36 hours. .6Mj
Spring Quarter
Section M.—Assistant Professor Slaymaker
Section N.—Assistant Professor Harvey
Section O.—Assistant Professor Hall
Section P.—Assistant Professor Wilson

Any recent standard textbook on the Practice of Medicine may be used for Courses 2, 3, 4, and 5.

24. **Laboratory Diagnosis.**—A laboratory course in the chemical, microscopical, and bacteriological examination of blood, urine, sputum, gastric contents, feces, secretions, exudates, etc., and their pathologic and clinical significance, especial attention being given to their bearing upon diagnosis. Each class limited to 24 men. Repeated each term throughout the year. 72 hours.
Daily, 9:00–11:00. 1.2M
Drs. Stevenson, Small, Loeb, Soper, Green, Washburn, Rosenow, Bloch, Walker.

6.† **A Clinical Course.**—In the Central Free Dispensary each quarter. In the departments of Internal Medicine, of Neurology, and of Pediatrics, conducted by members of the department.
Daily, 9:00–11:00. 144 hours. 1.2Mj
In sections, one quarter for each section.
Prerequisite: *Two recitation courses* (from Courses 3, 4, and 5), *Course 24, and .8 Mj. from the clinical courses.*

Senior Year

7. **The Disorders of Nutrition in Infancy and Childhood.**—A clinical course.
Tu., Fri., 9:00–11:00. 48 hours. .4Mj
Summer Quarter
Professor Cotton

Juniors and Seniors

8. **Clinical Medicine.**—A clinical and conference course in general medicine with special reference to infectious diseases.
Mon., Th., 9:00–11:00. 48 hours. .4Mj
Autumn Quarter
Professor Billings

9. **Clinical Medicine.**—Clinical and conference course in general medicine with special reference to general diseases.
Mon., Th., 9:00–11:00. 48 hours. .4Mj
Summer Quarter
Professor Billings, and Drs. Post and Rosenow

Repeated in the Winter Quarter, with special reference to clinical therapeutics (Prof. Billings), and to diseases of the blood and ductless glands (Drs. Post and Rosenow).

10. **Clinical Medicine.**—A clinical and conference

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*Students may register for the section of their choice, in the order of registration, up to the limit allowed for each section.

†Juniors may register for this course after having completed two courses in recitation work, the course in laboratory diagnosis, and one course in clinical medicine.

course in general medicine with special reference to diseases of the nervous system.
Mon., Th., 9:00–11:00. 48 hours. .4Mj
Spring Quarter
ASSISTANT PROFESSORS ROTHSTEIN AND BASSOE

11. **Clinical Medicine.**—A clinical and conference course in general medicine.
Summer Quarter. General symptomatology and the infectious diseases.
PROFESSOR HERRICK AND DR. IRONS
11, F. Autumn Quarter. Diseases of the nervous system.
PROFESSOR HERRICK
11, W. Winter Quarter. Infectious diseases.
PROFESSOR HERRICK
11, S. Spring Quarter. Diseases of the kidney and blood-vessels.
PROFESSOR HERRICK
Tu., Fri., 9:00–11:00. Tu. at the Cook County Hospital; Fri. in the College Amphitheater. Each course 48 hours. .4Mj

12. **The Eruptive Diseases of Infancy and Childhood.** A clinical and conference course.
Tu., Fri., 9:00–11:00. 48 hours. .4Mj
Autumn Quarter
PROFESSOR DODSON

13. **Clinical Medicine.**—A clinical and conference course in general medicine.
Summer Quarter. Diseases of the alimentary tract.
13, F. Autumn Quarter. Diseases of the kidney and blood-vessels.
13, W. Winter Quarter. Diseases of the alimentary tract.
13, S. Spring Quarter. Diseases of the blood and ductless glands.
Wed., Sat., 9:00–11:00.
Each course 48 hours. .4Mj
ASSISTANT PROFESSOR SIPPY AND ASSISTANTS

14. **Clinic on Nervous Diseases.**—Students may register for any one, two or all three days and receive respectively, .2, .4 or .6Mj
Daily, 9:00–11:00. Each Quarter
PROFESSOR BROWER, ASSISTANT PROFESSOR GILL, AND ASSISTANTS

15. **Diseases of the Respiratory Tract of Infancy and Childhood.**—A lecture and clinical course.
Tu., Fri., 9:00–11:00. 48 hours. .4Mj
Winter Quarter
PROFESSOR COTTON

16. **Physical Diagnosis of Infancy and Childhood.**—A recitation and conference course, limited to twenty-four students. 12 hours. .4M
Hours to be announced.
First term, Winter Quarter
DR. J. W. VANDERSLICE

17. **Pediatrics.**—A clinical course at the Cook County and Presbyterian Hospitals, limited to twelve students.
Th., 11:00–1:00. 24 hours. .2Mj
Winter and Spring Quarters
ASSISTANT PROFESSOR CHURCHILL

18. **Clinical Course in Diseases of the Nervous System at Cook County Hospital.**—Limited to twelve students.
Hours to be announced. 24 hours.. .2 Mj
ASSISTANT PROFESSOR BASSOE

19. **The Nervous Diseases of Infancy and Childhood.** A clinical and lecture course.
Tu., Fri., 9:00–11:00. 48 hours. .4Mj
Spring Quarter
PROFESSOR DODSON

21. **Clinical Course at Cook County Hospital.**—In Autumn, Winter, and Spring Quarters, to follow the quiz in general medicine; Summer Quarter, diseases of heart and blood-vessels. Limited to twelve students each quarter. 24 hours. .2Mj
Hours to be announced.
ASSISTANT PROFESSOR SLAYMAKER

21A. A course similar to the above given Tu., from 3:00–5:00. During the Summer Quarter the special topic will be diseases of the heart and kidneys. Limited to twelve students. 24 hours. .2Mj
ASSISTANT PROFESSOR MILLER

21B. A course similar to Course 21, given Tu. and Fri., 2:00–4:00. Limited to twelve students. 48 hours. .4Mj
ASSISTANT PROFESSOR CAPPS

21C. A course similar to Course 21, limited to twelve students, given from Fri., 4:00–6:00 P.M. 24 hours. .2Mj
ASSISTANT PROFESSOR TIEKEN

21D. A course similar to Course 21, limited to twelve students. Hours to be announced. 24 hours. .2 Mj
ASSISTANT PROFESSOR HALL

21E. A course similar to Course 21, limited to twelve students. Hours to be announced. 24 hours. .2 Mj
DR. PORTIS

21F. A course similar to Course 21, limited to twelve students. Hours to be announced. 24 hours. .2 Mj
DR. LOEB

22. **Mental and Nervous Diseases** (*extra-mural*).—A didactic and clinical course at the Cook County Hospital on insanity and diseases of the nervous system. 24 hours. .2Mj
Fri., 4:00–6:00.
Autumn and Spring Quarters
ASSISTANT CLINICAL PROFESSOR (*extra-mural*) KUH

22A. **A Course on Insanity.**—A lecture and clinical course at the College, and the Cook County Hospital, including ten clinics at State Hospitals for the insane at Elgin or Dunning. 18 hours.
Mon., 5:00 P. M., Fri., 4:00–6:00 P. M. .4M
First Term, Autumn and Spring Quarters
PROFESSOR BROWER

25. **Diseases of the Stomach.**—A clinical and laboratory course, limited to twelve students. About three-fourths of the course will be devoted to the practical examination of patients in the Central Free Dispensary, and the remainder to Laboratory investigation.
Hours to be announced. .4Mj
Autumn, Winter, and Spring Quarters
DR. PORTIS

27. **Diseases of the New-Born.**—A lecture and conference course concerning the conditions and diseases peculiar to the first days of life. 24 hours.
Tu., Fri., 5:00 P.M. .4Mj
Autumn Quarter
ASSOCIATE PROFESSOR ABT

28. **Medical Tuberculosis.**—A lecture and clinical course. The class will be taken into hospital wards.
Tu., Th., 8:00. 18 hours. .4M
First Term, Autumn Quarter
EMERITUS PROFESSOR BRIDGE

30. (*Extra-mural.*) **Course in Clinical Pediatrics.**—At the West Side Hebrew Dispensary. 24 hours.
Mon., Th., 4:00–6:00. .4M
Autumn and Spring Quarters
Each section one term.
ASSOCIATE CLINICAL PROFESSOR ISAAC ABT
DR. MAY MICHAEL
Students taking this course should register also for Course X–15.

31. (*Extra-mural.*) **Course in Clinical Pediatrics.**—At the West Side Hebrew Dispensary. 24 hours.
Wed., Sat., 2:00–4:00. .4M
Autumn and Spring Quarters
Each section one term.
DR. FERGUSON
Students taking this course should register also for Course VIII–19A.

32. (*Extra-mural.*) **Course in Clinical Neurology.**—At the West Side Hebrew Dispensary.
Wed., Sat., 4:00–6:00. 24 hours. .4M
Autumn and Spring Quarters
Each section one term.
ASSISTANT CLINICAL PROFESSOR SIDNEY KUH

33. (*Extra-mural.*) **Variola.**—A clinical course in Variola, at the Chicago Isolation Hospital, at intervals as material is afforded.
Classes limited to ten each. .2M
ASSOCIATE CLINICAL PROFESSOR HEMAN SPALDING

34. (*Extra-mural.*) **A Course in Clinical Medicine.**—At St. Luke's Hospital, limited to small groups.
Wed., 4:00–6:00. 24 hours. .2Mj
Winter Quarter
PROFESSOR HENRY B. FAVILL
Students taking this course should register also for VIII–19.

35. (*Extra-mural.*) **A Clinical Course in General Medicine.**—At the West Side Hebrew Dispensary. Each course extends over six weeks. Limited to eight students each term. 24 hours.
Wed., Sat., 4:00–6:00. .4M
Winter and Spring Quarters
DR. ALBERT W. SCHRAM

36. (*Extra-mural.*) **A Clinical Course.**—At St. Anthony's Hospital, corner Douglas boulevard and Nineteenth street. Limited to eight students, each term. 36 hours. .6M
Mon., Wed., 1:00–4:00.
DR. FRED J. E. EHRMAN

37. (*Extra-mural.*) **A Clinical Course.**—At Alexian Brothers' Hospital, Belden and Racine avenues. Limited to eight students each quarter. 48 hours.
Tu., Th., 10:00–12:00. .4Mj
ASSISTANT CLINICAL PROFESSOR HOELSCHER

39. **A General Clinic in Pediatrics.**—In the children's ward at the Cook County Hospital. 12 hours.
Wed., 4:00–5:00. .1Mj
ASSISTANT PROFESSOR ABT

41. **Clinical Diagnosis Course.**—A course in bedside instruction, including all necessary chemical, microscopical and bacteriological examinations of blood, urine, sputum, gastric contents, feces, etc. Limited to six students, each quarter throughout the year. 24 hours. .3Mj
Tu., Th., 8:00–9:00.
ASSISTANT PROFESSOR LINNELL

45. **A Course in Clinical Symptomatology.**
Hours to be announced. DR. LOEB

46. **Diseases of Metabolism.**—A conference course on the diseases of metabolism with especial reference to their physiological chemistry.
Tu., Fri., 9:00–11:00. 48 hours. .4Mj
Autumn and Spring Quarters
DR. WEBSTER

47. **Infant Feeding.**—A clinical and laboratory course with bedside instruction, with special reference to the home modification of milk. 24 hours.
Mon., Th., 9:00–11:00. .2Mj
First Term, Autumn Quarter
ASSISTANT PROFESSOR CHURCHILL

VIII. DEPARTMENT OF SURGERY

OFFICERS OF INSTRUCTION

PROFESSOR OF SURGERY IN THE UNIVERSITY OF CHICAGO AND PROFESSOR OF MILITARY SURGERY NICHOLAS SENN.
PROFESSORS AND HEAD OF THE DEPARTMENT OF SURGERY ARTHUR DEAN BEVAN, JOHN B. MURPHY.
CLINICAL PROFESSOR D. W. GRAHAM.
ASSOCIATE PROFESSORS WILLIAM T. BELFIELD, EMANUEL J. SENN.
ASSOCIATE PROFESSOR IN DENTAL SURGERY TRUMAN W. BROPHY.
ASSISTANT PROFESSORS ALBERT I. BOUFFLEUR, CHARLES A. PARKER, DEAN DEWITT LEWIS, LAWRENCE RYAN, J. M. NEFF, E. W. RYERSON (ORTHOPEDIC SURGERY).
INSTRUCTORS FRANK W. JAY, J. A. PATTON, EMANUEL J. FRIEND, WILLIAM SENN, PHILIP SCHUYLER DOANE, STEPHEN E. DONLON, GEORGE F. THOMPSON, CHARLES J. ROWAN.
ASSOCIATES O. T. ROBERG, JOSEPH F. SMITH, KELLOGG SPEED, CARL B. DAVIS, R. H. HERBST.
ASSISTANTS D. F. GRASSE, VICTOR SCHRAGER, JOHN G. HAYDEN, JOHN GOLDEN, F. R. MORTON, PAUL OLIVER, D. B. PHEMISTER, J. P. GRIMES, H. L. KRETSCHMAR.
CLINICAL ASSISTANTS G. W. BREMERMAN, C. A. OSTLING, THEO. DROZDOWITZ, H. J. POLKEY.
FELLOW, GUY C. KINNAMAN.

AT ST. LUKE'S HOSPITAL

ASSISTANT CLINICAL PROFESSOR (*extra-mural*) LEWIS L. MACARTHUR.

AT THE COOK COUNTY HOSPITAL

ASSISTANT CLINICAL PROFESSOR (*extra-mural*) MALCOLM L. HARRIS.
ASSISTANT CLINICAL PROFESSOR (*extra-mural*) LAWRENCE RYAN.

AT THE WEST SIDE HEBREW DISPENSARY

ASSISTANT CLINICAL PROFESSORS (*extra-mural*) EMANUEL FRIEND, LOUIS A. GREENSFELDER.
CLINICAL ASSISTANTS (*extra-mural*) W. H. RUBOVITZ, G. W. WAGNER.

INTRODUCTORY

A total of 5½Mj in Surgery is required. The following subjects are made prerequisite to other courses and to final examination: Principles of Surgery and Surgical Pathology, 1.2Mj. Surgical Anatomy, .8Mj. Surgical Dispensary, including bandaging, .6Mj. Operative surgery on cadaver and animals, .3Mj. Clinical Surgery and conference course, 2Mj. In addition the course on Genito-Urinary Surgery, Orthopedic Surgery, and Rectal Surgery are strongly advised.

COURSES OF INSTRUCTION

Junior Year

1. **Principles of Surgery and Surgical Pathology.**—A recitation and laboratory course.
Mon., Wed., Fri., 4:00. 36 hours. .6Mj
Autumn Quarter
Drs. Roberg, Rowan, Thompson, Davis, Schrager, William Senn

2. **Principles of Surgery and Surgical Pathology.**—A recitation and laboratory course.
Mon., Wed., Fri., 4:00. 36 hours. .6Mj
Winter Quarter
Drs. Roberg, Rowan, Thompson, Davis, Schrager, William Senn

4. **Surgical Anatomy.**—A demonstration and conference course, with dissections of the abdomen and lower extremities.
Wed., Fri., 3:00. 24 hours. .4Mj
Autumn Quarter
Assistant Professors Parker and Lewis

5. **Surgical Anatomy.**—A demonstration and conference course, with dissections of the head, neck, thorax, and upper extremities.
Wed., Fri., 3:00. 24 hours. .4Mj
Winter Quarter
Assistant Professors Parker and Lewis

Senior Year

8. **Clinical Surgery. Central Free Dispensary.**—Including a course on bandaging, surgical dressings, and surgical appliances.
Daily, 2:00–4:00. 72 hours. 1.2M
Throughout the year; one term for each section.
Professors Bevan, Murphy, and Associates

This course may be elected by Junior students after two quarters' residence in the clinical years during which other courses in Surgery have been taken.

Juniors and Seniors

3. Professor Senn will give a course of lectures on Military Surgery. Hours to be announced.

9. **Clinical Surgery.**—A clinical and conference course in general surgery, with special reference to the surgery of the abdomen.
Mon., Th., 11:00–1:00. 48 hours. .4Mj
Autumn Quarter
Professor Bevan

10. **Clinical Surgery.**—A clinical and conference course in general surgery, with special reference to the surgery of the head, spine, and peripheral nerves.
Tu., Fri., 11:00–1:00. 48 hours. .4Mj
Autumn Quarter
Professor Murphy

9W. **Clinical Surgery.**—A clinical and conference course in general surgery, with special reference to the surgery of the extremities.
Mon., Th., 11:00–1:00. 48 hours. .4Mj
Winter Quarter
Professor Bevan

10W. **Clinical Surgery.**—A clinical and conference course in general surgery, with special reference to the surgery of the neck and thorax.
Tu., Fri., 11:00–1:00. 48 hours. .4Mj
Winter Quarter
Professor Murphy

9V. **Clinical Surgery.**—A clinical and conference course in general surgery, with special reference to the surgery of the head, spine, and peripheral nerves.
Mon., Th., 11:00–1:00. 48 hours. .4Mj
Spring Quarter
Professor Bevan

10V. **Clinical Surgery.**—A clinical and conference course in general surgery, with special reference to the surgery of the abdomen.
Tu., Fri., 11:00–1:00. 48 hours. .4Mj
Spring Quarter
Professor Murphy

9S. **Clinical Surgery.**—A clinical and conference course in general surgery, with special reference to the surgery of the neck and thorax.
Mon., Th. 48 hours. .4Mj
Summer Quarter
Professor Bevan

10S. **Clinical Surgery.**—A clinical and conference course in general surgery, with special reference to the surgery of the extremities.
Tu., Fri. 48 hours. .4Mj
Summer Quarter
Professor Murphy

12. Clinical Professor Graham will give a surgical clinic Autumn, Winter, and Spring Quarters.
Sat., 2:00–4:00. 24 hours. .2Mj
Associate Professor E. J. Senn will give a surgical clinic. Summer Quarter
Sat., 2:00–4:00. 24 hours. .2Mj

Seniors

13. **Lecture Course.**—A course in surgery of the urinary organs by Associate Professor Belfield.
Th., 4:00. 12 hours. .2Mj
Autumn Quarter

14. **Lecture Course.**—A course on rectal surgery by Associate Professor E. J. Senn.
Fri., 8:00. 12 hours. .2Mj
Winter Quarter

15. **Lecture Course.**—A course on orthopedic surgery by Assistant Professor Ryerson.
Fri., 8:00. 12 hours. .2Mj
Spring Quarter

17. **A Practical Course in Operative Surgery.**—On the cadaver and on animals; given to the class in sections.
Tu., Wed., Fri., 4:00-6:00. 36 hours. .6M
Repeated each term of the Autumn and Winter Quarters and the first term of the Spring Quarter.
Assistant Professors Bouffleur, Parker, and Ryan

18. **Clinic at Cook County Hospital.**
Th., 7:00-9:00. 24 hours. .2Mj
Autumn, Winter, and Spring Quarters.
Assistant Professor Bouffleur

18A. **Genito-Urinary Diseases.**—Central Free Dispensary. A clinical course in diseases of the genito-urinary tract.
Mon., Fri., 4:00-6:00. 48 hours. .4Mj
Each Quarter
Associate Professor Belfield and Drs. Patton and Herbst

19. (*Extra-mural.*) **A Course in Clinical Surgery at St. Luke's Hospital.**—Classes limited to eight.
Wed., 2:00-4:00. 24 hours. .2Mj
Winter Quarter
Assistant Clinical Professor MacArthur
Students taking this course should register also for Course VII-34.

19A. (*Extra-mural.*) **A Course in Clinical Surgery.**—At the West Side Hebrew Dispensary; classes limited to eight students. 24 hours.
Wed., Sat., 4:00-6:00. .4M
Each course extends over one term.
Autumn and Spring Quarters
Assistant Clinical Professor Friend
Students taking this course should register also for Course VII-31.

19B. (*Extra-mural.*) **A Course in Clinical Surgery.**—At the West Side Hebrew Dispensary; limited to eight students each term. 24 hours.
Mon., Th., 4:00-6:00. .4M
Autumn and Spring Quarters
Assistant Clinical Professor Greensfelder

19C. **Orthopedic Surgery.**—A Clinical course at the Cook County Hospital.
Tu. or Wed., 1:00-2:00. 12 hours. .1Mj
Each Quarter. Dr. Ryerson

20. **Clinical Course at the Cook County Hospital.**
Hours to be announced. 24 hours. .2Mj
Each Quarter
Assistant Professor Neff and Drs. Rowan and Thompson

21. **Clinical Surgery at Cook County Hospital.**—Classes limited to eight students. 24 hours. Hours to be announced. .2M
Each Quarter
Assistant Clinical Professor Ryan

22. **Clinical Surgery at Cook County Hospital.**—Limited to eight students each quarter. Hours to be announced. .2Mj
Assistant Clinical Professor Harris

IX. DEPARTMENT OF OBSTETRICS AND GYNECOLOGY

Professor and Head of the Department, J. CLARENCE WEBSTER.
Assistant Professors, RUDOLPH W. HOLMES, A. BELCHAM KEYES, FRANK W. LYNCH.
Assistant Clinical Professor, CHARLES E. PADDOCK.
Instructor, CAREY CULBERTSON.
Clinical Instructors, INGBORG RASMUSSON, SARA A. JANSEN.
Associates, WALLACE F. GROSVENOR, WILLIAM B. FEHRING, W. GEORGE LEE.
Clinical Assistant, MARY JOHNSTONE.

INTRODUCTORY

The subjects of Obstetrics and Gynecology are taught in the Junior and Senior years in laboratory, recitation, and conference courses, in Dispensary and Hospital clinics, and in the conduct of labor in the homes of patients. Students are obliged to commence their studies by taking the laboratory and recitation courses. Final examinations in both courses are compulsory.

COURSES OF INSTRUCTION

OBSTETRICS

Junior Year

1. **A Laboratory and Recitation Course.**—The anatomy and physiology of the female organs of generation in normal pregnancy, labor, and the puerperium. 60 hours.
   Sec. A., Tu., Fri., Sat., 11:00–1:00.
   Sec. B., Mon., Wed., Th., 11:00–1-00.
   .6Mj. Autumn Quarter
   Assistant Professor Lynch
   Dr. Culbertson

2. **Practical Obstetrics.**—A laboratory and recitation course limited to twenty students. Topics: Clinical Phenomena; Conduct and Management of Normal Labor; Malpresentations and Malpositions; Deformed Pelves; Pelvimetry; Obstetric Operations. 48 hours. .4Mj
   Prerequisite: *Course 1.*
   Winter Quarter
   Mon., Thurs., 2:00–4:00.
   Dr. Culbertson
   Tu., Fri., 2:00–4:00.
   Assistant Professor Holmes
   Spring Quarter
   Mon., Th., 2:00–4:00.
   Dr. Lee
   Tu., Fri., 2:00–4:00.
   Assistant Clinical Professor Paddock
   Summer Quarter
   Tu., Fri., 2:00–4:00.
   Dr. Grosvenor

Junior and Senior Years

3. **Clinical Conference.**—Limited to twenty-five students. Topics: Diagnosis of Uterine Pregnancy; Multiple Pregnancy; Hygiene and Management of Pregnancy; Asepsis and Antisepsis; Management of Puerperal State; Selected subjects in the Pathology of Pregnancy, Labor, and the Puerperium. 36 hours. .4Mj
   Perequisite: *Courses 1 and 2.*
   Autumn Quarter
   Tu., Th., Sat., 4:00–5:00.
   Assistant Proeessor Holmes
   Winter Quarter
   Tu., Th., Sat., 4:00–5:00.
   Assistant Clinical Professor Paddock
   Spring Quarter
   Tu., Th., Sat., 4:00–5:00.
   Dr. Lee

4. **Clinical Obstetrics.**—In the Maternity Department of the Presbyterian Hospital, Charity Hospital, Chicago Lying-in Dispensary, Chicago Maternity, and Central Free Dispensary, under the direction of Professor Webster, Assistant Professors Lynch, Paddock, Drs. Fehring, Culbertson, and others.
   Attendance upon cases of confinement in various hospitals, and at the homes of patients is required of each student before graduation. Each student will be summoned to cases at the time of delivery, and will attend the patients during and after delivery, under supervision. Clinical records must be kept by students and certificates obtained.
   .2Mj. Throughout the year
   Perequisite: *Courses 1 and 2.*

GYNECOLOGY

Junior Year

5. **Laboratory and Recitation Course.**—Limited to thirty students. The Histology and Pathology of the female organs of generation; case-taking; Minor Therapeutic Measures. 60 hours. .6Mj
   Winter Quarter
   Mon., Wed., Th., 11:00–1:00.
   Assistant Professor Keyes
   Spring Quarter
   Tu., Fri., Sat., 11:00–1:00.
   Dr. Fehring

Junior and Senior Years

6. **Clinical Conference in Gynecology.**—Limited to thirty students. The topics to be considered will be posted at the beginning of each quarter.
   24 hours. .4Mj. Autumn Quarter
   Tu., Th., 4:00–5:00.
   Assistant Professor Keyes
   Spring Quarter
   Tu., Th., 4:00–5:00.
   Assistant Professor Lynch
   Prerequisite: *Course 5.*

7. **Dispensary Clinics.**—Conferences in Practical Gynecology, limited to four in each section.
   .4M. Each term throughout the year
   Mon., Th., 11:00–1:00.
   Assistant Professor Lynch
   Tu., Fri., 11:00–1:00.
   Dr. Culbertson

Wed., Sat., 11:00–1:00.
ASSISTANT PROFESSORS KEYES
Prerequisite: *Course 5.*

SENIOR YEAR

8. **College Clinics.**—In Gynecology and Obstetrics. .4Mj. Each quarter throughout the year
Wed., Sat., 11:00–1:00. 48 hours.
Autumn, Winter, and Spring Quarters
PROFESSOR WEBSTER
Summer Quarter
ASSISTANT PROFESSORS KEYES AND LYNCH
Prerequisite: *Course 5.*

9. **Special Laboratory Work.**—For a limited number of students selected by the department staff. .5 to 1Mj

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X. DEPARTMENT OF DISEASES OF THE CHEST, THROAT, AND NOSE

OFFICERS OF INSTRUCTION

PROFESSOR AND HEAD OF THE DEPARTMENT, E. FLETCHER INGALS.
ASSOCIATE PROFESSOR, JOHN EDWIN RHODES.
ASSISTANT PROFESSORS, CHARLES J. WHALEN, OTTO T. FREER, GEORGE A. TORRISON.
INSTRUCTORS, GLENN M. HAMMON, MORLEY D. BATES, E. L. KENYON, F. GURNEY STUBBS.
ASSOCIATES, N. P. COLWELL, T. W. LEWIS, STANTON A. FRIEDBERG, JOHN RITTER.
ASSISTANTS, RICHARD FYFE, GEORGE W. MASHER, M. R. WALTER.
CLINICAL ASSISTANT, JOHN W. VIERS.

AT THE WEST SIDE HEBREW DISPENSARY

GEORGE MORGENTHAU, ASSISTANT CLINICAL PROFESSOR (*extra-mural*).
LOUIS E. GORDON, CLINICAL ASSISTANT (*extra-mural*).

INTRODUCTORY

The work of this department is given to members of the Junior and Senior classes, and includes lecture and recitation courses in the diseases of the chest, throat and nose; and clinical courses in the Amphitheater and in the Dispensary. The abundant material available in the Dispensary and hospitals enables the students to observe repeatedly, and examine individually, patients illustrating practically every phase of disease affecting the chest and air-passages, and to see performed the principal laryngological operations. Recitation courses enforce thorough drill in the principles and practice involved. Besides these there are practical courses in physical diagnosis, in laryngology, and in intubation, in which by personal experience the students become familiar with physical signs and with the methods of examination and the use of instruments.

COURSES OF INSTRUCTION

JUNIOR YEAR

1. **A Recitation Course** on physical diagnosis and a practical course in examination of the normal chest, throat, and nose, and intubation of the larynx. 24 hours. .3Mj
Recitation: Tu., 8:00.
Practical: Th. or Sat., 8:00.
Autumn Quarter
DRS. HAMMON, BATES, STUBBS

3. **Physical Diagnosis.**—A practical course of 7 hours in diseases of the chest, and 9 hours in diseases of the throat and nose. Given to sections of twelve. 36 hours. .3Mj
Autumn, Winter, and Spring Quarters
Mon., Wed., Fri., 2:00–3:00.
Tu., Th., Sat., 2:00–3:00.
DRS. RITTER, LEWIS, FRIEDBERG
Prerequisite: *Course 1.*

4. **Clinical Course** in the Central Free Dispensary. Given to sections of twelve. 36 hours. .6M
Each Term throughout the year
Mon., Wed., Fri., 2:00–4:00.
Tu., Th., Sat., 2:00–4:00.
ASSISTANT PROFESSORS FREER, TORRISON, AND DR. STUBBS
Assisted by
DRS. KENYON, LEWIS, RITTER, FYFE
Prerequisite: *Course 1, and two quarters of work in the department.*

JUNIOR AND SENIOR YEARS

5. **The Arena Clinic.**—A clinical course in diseases of the chest, throat, and nose. 24 hours. .2Mj
Each Quarter throughout the year
Wed., 2:00–4:00.
Summer Quarter
ASSISTANT PROFESSOR FREER AND DR. LEWIS
Autumn and Winter Quarters
PROFESSOR INGALS
Spring Quarter
ASSOCIATE PROFESSOR RHODES

SENIOR YEAR

6. **A Didactic Course** in diseases of the chest, together with some of the principal diseases of the throat and nose. 36 hours. .6Mj
Winter Quarter
Tu., Th., and Sat., 8:00.
ASSOCIATE PPOFESSOR RHODES, ASSISTANT PROFESSOR WHALEN AND DR. BATES

7. **A Lecture and Recitation Course.**—Dealing with the principal diseases of the throat and nose. 18 hours. .3Mj
Mon., Wed., Fri., 8:00.
First Term, Autumn Quarter
ASSISTANT PROFESSOR TORRISON
First Term, Spring Quarter
DR. LEWIS

8. **Senior Dispensary Clinics.**—In the small clinic room of the second floor of Senn Hall, given to sections of thirty-six. 24 hours. .2Mj
Each quarter throughout the year
a, Tu., Th., 2:00–3:00.
ASSISTANT PROFESSOR TORRISON
b, Mon., Fri., 2:00–3:00.
ASSISTANT PROFESSOR FREER, OR DR. RITTER
c, Sat., 1:30–3:30.
DR STUBBS OR DR. LEWIS

10. **A Clinical Course.**—(*Extra-mural*) At the West Side Hebrew Dispensary, in the disease of the throat, nose, and ear. Classes limited to eight students. 24 hours. .4M
Each Term, Autumn and Spring Quarters
Mon., Th., 2:00–4:00.
ASSISTANT CLINICAL PROFESSOR MORGENTHAU AND DR. GORDON
Students taking this course should register at the same time for Course VII–30.

11. **Defects of Speech.**—A lecture and clinical course offered to post-graduate students and to seniors who have completed 1½ Mj of work in the department. From the standpoint of the anatomy and physiology of speech production the important disorders of speech are covered, including defects of articulation, stammering, the aphonias organic and functional, the difficulties of public speakers and singers, etc. 8 to 12 hours. .1Mj. Spring Quarter
DR. KENYON

12. **Seminar.**—A course offered only to Seniors who have completed a Major of work in this department with an *excellent* grade. Each student will pursue a course of reading on the subject assigned, making brief abstracts of the articles read, and from these abstracts write a thesis. The credit, according to the quality of work done, will be .2 to 1Mj.
Each quarter throughout the year
Subjects for 1907–8:
"Nasal Polypi and their relation to Spasmodic Asthma."
"Benign Growths of the Larynx."
"Paralysis of the Vocal Cords."
"Myocarditis, Acute and Chronic."
DR. COLWELL

13. **Operative Course** on the cadaver, demonstrating the usual operations on the nose and throat, for advanced students and practitioners. 12 hours
Days to be announced. 4:00–6:00. .2M
Second Term, Spring Quarter
DRS. STUBBS AND FRIEDBERG

XI. DEPARTMENT OF OPHTHALMOLOGY AND OTOLOGY

OFFICERS OF INSTRUCTION

PROFESSOR AND HEAD OF THE DEPARTMENT, WILLIAM HAMLIN WILDER.
PROFESSOR, FERDINAND CARL HOTZ.
ASSISTANT PROFESSORS, BROWN PUSEY, GEORGE ELMER SHAMBAUGH, E. V. L. BROWN.
INSTRUCTOR, L. E. SCHWARZ.
ASSOCIATES, DAVID FISKE, F. I. BROWN, LORENZO N. GROSVENOR.
ASSISTANTS, FRANCIS A. LANE, G. W. BOOT.
CLINICAL ASSISTANTS, W. P. McGIBBON, ALFRED N. MURRAY.

AT THE ILLINOIS EYE AND EAR INFIRMARY

ASSISTANT CLINICAL PROFESSOR (*extra-mural*), NORVAL H. PIERCE.

INTRODUCTORY

The courses in this department are designed to furnish the student that scope of knowledge of the diseases of the eye and ear, which every well-educated physician ought to possess. It is, therefore, the aim to select for the clinical demonstrations chiefly those diseases which are of the greatest interest to the general practitioner. The students are given the privilege of examining the cases, of studying the progress of the diseases and the effect of the treatment from day to day; and also of witnessing the delicate technique of the operations on the eye and ear. Each exhibition of cases is followed by a brief discourse on the etiology-pathology, symptomatology, and treatment of the disease under observation.

Numerous courses are offered in ophthalmoscopy in which the student will learn the use of the ophthalmoscope by practical exercises on schematic and living eyes. Each student must provide himself with an ophthalmoscope.

Courses are also given to train the student in the methods of examining and treating the ear.

Special courses for small classes on the normal and morbid anatomy and histology of the eye and ear are made particularly instructive by the exhibition of anatomical preparations and microscopic slides.

*COURSES OF INSTRUCTION

1. **A Lecture and Recitation Course: Anatomy, Physiology, and Pathology of the Eye and Ear.** 24 hours. .4Mj
   Mon., Fri., 8:00.
   Spring Quarter (for Juniors)
   PROFESSOR WILDER AND ASSISTANT PROFESSOR SHAMBAUGH
   Autumn Quarter (for Seniors)
   ASSISTANT PROFESSOR PUSEY AND DR. FISKE

2. **Practical Opthalmology and Otology in the Central Free Dispensary.**—Limited to ten students in each section. Each section one term. 18 hours. .2Mj

Summer Quarter.	Tu., 2:00–3:00 DR. BOOT
	Tu., Fri., 3:00–4:00 DR. GROSVENOR
Autumn Quarter.	Tu., 2:00–3:00 DR. BOOT
	Tu., Fri., 3:00–4:00 DR. SCHWARZ
Winter Quarter.	Th., 2:00–3:00 DR. BROWN
	Mon., Th., 3:00–4:00 ASSISTANT PROFESSOR BROWN
Spring Quarter.	Wed., 2:00–3:00 DR. FISKE
	Wed., Sat., 3:00–4:00 DR. LANE

3. **Clinical Lecture Course.**—Each quarter.
   Mon., Fri., 2:00–4:00. 48 hours. .4Mj

Summer Quarter.	DR. SCHWARZ AND DR. BROWN
Autumn Quarter.	PROFESSOR WILDER AND ASSISTANT PROFESSOR SHAMBAUGH
Winter Quarter.	PROFESSOR WILDER AND ASSISTANT PROFESSOR SHAMBAUGH

*Attention is also called to Course Anatomy 20—The Anatomy of the Ear (see page 30 of this announcement) and to Course Pathology 8—Pathology of the Eye (see page 43).

Spring Quarter.
ASSISTANT PROFESSORS SHAMBAUGH AND BROWN
Prerequisite: *Courses 1 and 2.*

4. **Clinical Course** (*extra-mural*) **at the Illinois Charitable Eye and Ear Infirmary.**—Two sections each quarter, except summer. Limited to ten students each. 24 hours. .2Mj
Sec. A. Th., 2:00–4:00; Sec. B. Sat., 2:00–4:00.
PROFESSOR WILDER AND ASSISTANT CLINICAL PROFESSOR PIERCE
Prerequisite: *Courses 1 and 2.*

5. **Clinical Course at the Cook County Hospital.**—Autumn, Winter, and Spring Quarters.
Fri., 5:00-6:00. 12 hours. .1Mj
ASSISTANT PROFESSOR PUSEY
In this course special attention will be given to the relation of the eye to general disease.
Prerequisite: *Courses 1 and 2.*

*6. **Anatomy of the Ear** (A course for advanced students and practitioners).—Class limited to ten students. 12 hours. .2Mj
Tu., 3:00–4:00. Winter Quarter
DR. BOOT

*7. **Normal and Pathological Anatomy of the Eye** (A course for advanced students and practitioners). Limited to six students. One term. 24 hours.
3:00–5:00. .2Mj
Autumn and Spring Quarters
ASSISTANT PROFESSOR BROWN AND DR. LANE

XII. DEPARTMENT OF SKIN AND VENEREAL DISEASES

OFFICERS OF INSTRUCTION

PROFESSOR AND HEAD OF THE DEPARTMENT OF SKIN AND VENEREAL DISEASES JAMES NEVINS HYDE.
ASSOCIATE PROFESSOR FRANK HUGH MONTGOMERY.
ASSISTANT PROFESSOR OLIVER S. ORMSBY.
INSTRUCTORS ERNEST L. McEWEN, WILLIAM A. QUINN.
ASSOCIATE W. J. M. CUNNINGHAM.
CLINICAL ASSISTANTS E. W. PATHOFF, A. N. MACKAY.

INTRODUCTION

The work of this department is elective and offered to members of the Senior class. Instruction is given by clinical teaching both in the College amphitheater and in the Dispensary, by recitations, and by demonstrations to small classes, of clinical, bacteriologic, and pathologic phenomena.

Instruction in this department is supplemented by ample use of the large collection of dermatological plates, atlases, and photographs arranged in cases in proximity to the upper amphitheater; also by use of the Baretta Models procured in Paris for use of this department. The textbooks employed are Hyde and Montgomery's *On the Skin* and Hyde and Montgomery's *Manual of Syphilis and the Venereal Diseases.*

COURSES OF INSTRUCTION

SENIOR YEAR

1. **Skin, Genito-Urinary, and Venereal Diseases.**—A recitation and conference course given to the class in small sections.
Tu., Th., Sat., 8:00. 36 hours. .6Mj
Summer Quarter. DR. QUINN
Autumn Quarter. DR. CUNNINGHAM
Winter Quarter. DR. QUINN
Spring Quarter. DR. McEWEN

2. **Clinical Course.**—A clinical course on the subject of Skin, Genito-Urinary, and Venereal Diseases. This clinic has been conducted in the College for many years and is attended by a large number of out-patients of both sexes and all ages. Each quarter throughout the year.
Mon., Th., 2:00–4:00. 48 hours. .4Mj
Summer and Winter Quarters.
ASSOCIATE PROFESSOR MONTGOMERY
Autumn and Spring Quarters.
PROFESSOR HYDE

*Any person desiring to register for Course 6 or 7 should consult the instructor offering the course and procure a note to the Dean stating that he possesses the necessary prerequisites and may be allowed to register for the course.

3. **Demonstration Courses.**—A practical course of clinical, pathologic, and bacteriologic demonstrations in skin and venereal diseases, given to the class in sections of not more than ten.
   Mon., Th., 2:00–4:00.
   Each term's (six weeks) work occupies 24 hours. .4M
   Autumn and Winter Quarters.
   Dr. Ormsby
   Spring Quarter.
   Associate Professor Montgomery

5. **Lecture Course in Senn Hall.**—A lecture course given to the class in small sections, on the relation of diseases of the skin to disorders of other organs.
   Mon., Fri., 8:00. 12 hours. .4M
   Each term of Winter Quarter: Each section occupies two hours weekly for six weeks.
   Dr. McEwen

6. **Histopathology and Bacteriology of the Skin.**—A demonstration course including instructions and practical work in methods peculiar to the study of cutaneous pathology and bacteriology.
   Tu., Fri., 4:00–6:00.
   Each Term of the Spring Quarter. .4M
   Dr. Ormsby
   Limited to eight students. 24 hours.

7. **Clinical Course in the Central Free Dispensary.**—A clinical course given to the class in small sections in the Dermatological and Genito-Urinary Departments of the Central Free Dispensary. The student is here brought in personal contact with the patients and required to examine and prescribe for them as he would in private practice.
   Daily, 2:00–4:00. 24 hours. .4M
   Each term throughout the year.
   Mon. and Th., Dr. Cunningham
   Tu. and Fri., Dr. Quinn
   Wed. and Sat., Dr. McEwen

9. **Radiotherapy and Phototherapy** (Optional).—A practical course with demonstration of the technique of the employment of the X-Ray and the Finsen light in diseases of the skin. Several lectures of this course will be given each quarter at hours arranged. The course is open also to practitioners.
   Associate Professor Montgomery
   and Dr. Ormsby

10. **Clinical Course in Dermatology at the Cook County Hospital.**—Autumn, Winter, and Spring Quarters. 24 hours. .2Mj
    Hours to be announced.
    Assistant Professor Ormsby

XIII. GENERAL LECTURES AND OPTIONAL COURSES

1. **Medical Jurisprudence.**—A lecture course supplemented by recitations and conferences.
   Winter Quarter. .6M
   Hours to be announced.

2. **The History of Medicine.**—A lecture course by
   Winter Quarter. _____
   Hours to be announced.
   Optional course.

3. **Examinations for Life Insurance.**—A lecture and conference course on the nature and purpose of life insurance; the duties and essential qualifications of the examiner for life insurance, etc.
   _____Quarter.
   Hours to be announced.
   Optional course.

4. **Medical Economics.**—A lecture course in medical economics and ethics. Optional.
   Winter Quarter. 6 hours. .1Mj
   Hours to be announced.

LABORATORIES, EQUIPMENT, AND LIBRARIES

THE HULL BIOLOGICAL LABORATORIES

On December 14, 1895, Miss Helen Culver, of the city of Chicago, presented the University of Chicago with property valued at $1,000,000—the whole gift, according to the terms of the letter of endowment, to be devoted to the increase and spread of knowledge within the field of the biological sciences. From this fund there have been erected, at the north end of the University grounds, four buildings to serve as laboratories for the Anatomical, Botanical, Physiological, and Zoölogical Sciences. Medical instruction is given in the Anatomical, Physiological, and Zoölogical Laboratories.

THE ANATOMICAL LABORATORY

The Anatomical Laboratory is 120 by 50 feet, and four stories high, exclusive of the basement and attic, and was constructed to provide for Anatomy, both gross and microscopic, including Neurology. In the basement are special rooms for keeping frogs and similar animals at low temperatures, a bone-room, a storage room for anatomical material, and a crematory. The first floor is occupied by three large laboratories for microscopic work (Histology, Microscopic Anatomy, Neurology, and Pathology), and a large photographic room containing a stone pier and connected with a dark-room. On the second floor there are an additional room for general class work in microscopic branches, a lecture-room, and an osteological laboratory. Here, too, are located the laboratories of the staff in Neurology and a laboratory for advanced work and original research in Neurology. On the third and fourth floors are situated the dissecting-rooms for Human Anatomy, the private laboratories for instructors and research workers, and two laboratories for the making of special preparations. In the attic there is a well-lighted operating room adjoining a large animal room; in addition, several storerooms are situated here. The laboratories are well equipped for work in gross and microscopic Anatomy and in Pathology, and especial facilities are afforded for advanced work and original research.

THE PHYSIOLOGICAL LABORATORY

The Physiological Laboratory is 102 by 52 feet and four stories high, exclusive of the basement and attic. The basement contains a cold-storage room, aquarium room, an animal room, dark-room, and storerooms. It is connected with the greenhouse of the laboratory. The first floor contains general laboratories for beginners, a shop, a storeroom, a lecture-room, and a photographic room. The second floor contains a large lecture-room with preparation room and storeroom, the departmental library, an optical room, two dark-rooms, and private laboratories. The third floor contains two laboratories for advanced workers in Physiology, a laboratory for beginners in Physiological Chemistry and Pharmacology, a balance-room, and several smaller rooms for work in Physiological Chemistry and Pharmacology. The fourth floor contains two rooms with cages for animals and two operating rooms. In addition, two laboratories for work in Physiological Chemistry and Pharmacology, a combustion room, and a room for work in gas-analysis. The laboratories are well equipped both for general instruction in Physiology, Physiological Chemistry, and Pharmacology, and for advanced and research work in these sciences.

THE ZOÖLOGICAL LABORATORY

The Zoölogical Laboratory is 120 by 50 feet, and four stories high, exclusive of the basement. On the first floor are located the library of the biological departments, a synoptical museum, a large laboratory for elementary Zoölogy, and a laboratory for research work in Pathology. The second floor contains one large laboratory for beginners in research, and a number of smaller laboratories for more advanced work. The third floor contains three large laboratories for comparative Anatomy and Embryology, and a number of rooms for research. The fourth floor is devoted to the laboratories of Bacteriology, which are supplied with sterilizers, incubators, special microscopes, and other bacteriological apparatus, and are furnished with tables for microscopical work and for the usual laboratory manipulations. The basement contains one large room with glass-covered extension on the south side, designed for an aquarium; two rooms for use as aviaries, vivaria, etc.; one room for paleontological material; and one for taxidermy and museum purposes. The best optical and other apparatus demanded by zoölogical work are provided. There are series of models and charts illustrating embryological and morphological subjects, and ample facilities for keeping land and aquatic animals under favorable conditions for study.

THE KENT CHEMICAL LABORATORY

The Chemical Laboratory was provided by the generosity of Mr. Sidney A. Kent, is 176 by 64 feet, and is three stories high exclusive of the basement. An amphitheater seating 750 people forms an annex to the building. Lectures are given in rooms on the first floor. The laboratory instruction in General Inorganic and Elementary Organic Chemistry is given on the third floor in three large laboratories accommodating 300 students. Each student is given a separate desk supplied with gas and water, and is furnished with all the necessary chemicals and apparatus. The laboratories for analitical chemistry are on the second and third floors. The advanced work in Chemistry is done in general and private laboratories on the first and second floors. There are a number of small rooms used as balance, combustion, gas-analysis, photographic rooms, etc. The Chemical Library contains full sets of the most important journals, books of reference, and other works relating to Chemistry.

THE LIBRARIES

The General Library is located on the corner of Fifty-eighth street and Ellis avenue. The building now occupied is temporary and is to be used until such time as a permanent library building may be erected.

The General Library is for the use of students in all departments of the University. Students who have matriculated may take at one time three volumes from the General Library. These may be kept two weeks, and at the end of that time, if desired, may be renewed for two weeks.

Former students may continne the use of the Library by the payment of the library fee of $2.50 per quarter.

The total number of books at present in the Library is approximately 457,115.

Number of volumes in Departmental Libraries of departments concerned in medical instruction, May 1, 1907: Biology, including Anatomy, Neurology, Physiology, Bacteriology, Pathology, Zoölogy, Physiological Chemistry, and Pharmacology, 16,410; Chemistry, 2,439; Physics 2,333.

All the branch and departmental libraries are catalogued and classified. Most of the collections in the General Library are now permanently arranged.

The General Library is open on every week-day from 8:30 A.M. to 5:30 P.M. The Library receives 1,504 current periodical publications, including the transactions and proceedings of learned societies; the foreign serials alone numbering not less than 675. The Departmental Libraries are closed at 6 P.M., and are not open during the evening except to those to whom special permission has been granted by the departmental adviser.

The students of the University are permitted to use the books and periodicals in the Newberry Library and in the Crerar Library, both of which contain a large number of medical and general scientific works.

The Public Library of Chicago is also available to medical students for general reading.

BUILDINGS, EQUIPMENT, AND HOSPITAL FACILITIES AT RUSH MEDICAL COLLEGE

The Clinical Building, situated upon the corner of West Harrison and Wood Streets is 60 by 80 feet, and four stories in height. The first floor is occupied by the college library and reading-room. On the second floor are situated the offices of the College, the lower amphitheater, seating 400, and clinical waiting-rooms The third floor contains the upper amphitheater, seating 530 persons, a large surgical examining- and dressing-room, five clinical examining-rooms, and a waiting-room for patients. The fourth floor is occupied in part by the upper amphitheater, and in part by the laboratory for surgical and orthopedic appliances and bandaging.

Senn Hall, erected through the munificence of Professor Senn and other members of the Faculty, adjoins the Clinical Building on the east. It covers a ground space of 40 by 90 feet, is seven stories in height (including the basement), and of absolutely fireproof construction. The basement and first three floors, affording over 10,000 square feet of floor space, are devoted to the dispensary and the clinical teaching connected therewith. The fourth and fifth floors are occupied by clinical laboratories and recitation rooms. The remaining two stories contain two surgical and medical amphitheaters, seating about 150 each, with necessary waiting and preparation rooms.

The Laboratory Building, on the south side of Harrison Street, is 100 by 45 feet in area, and six stories in height (including the basement). The basement is occupied by storage-rooms for apparatus, an animal room for the laboratory of Pathology and Bacteriology, and a cloak-room for students. Adjoining the basement is a separate building for the preparation and storage of cadavers by the cold-storage process, with a capacity for about 200 bodies. The first and second stories are devoted to the Department of Pathology and Bacteriology, which is fully equipped with the necessary microscopes and other apparatus for advanced work in these branches. The third floor is occupied by the Department of Chemistry and Toxicology, and is supplied with all the necessary apparatus and materials for advanced work in these branches in their relation to practical medicine. The fourth floor contains four recitation rooms and a laboratory for Pharmacy and Therapeutics. The fifth floor is devoted to advanced work in practical gross Anatomy, and to Operative Surgery.

The Presbyterian Hospital, with accommodations for 250 patients, adjoins the College, and is connected with it, so that patients can be transferred directly from the wards to the clinical amphitheaters. In this Hospital over 2,000 patients are treated annually, and it thus affords a large amount of valuable material for the clinics.

In the Cook County Hospital, which is situated opposite the College, are treated about 20,000 patients annually. In this institution are given about forty clinics a week, including all varieties of medical and surgical cases. The facilities for the study of Pathology which are afforded at the Cook County Hospital are unexcelled in this country. Between 300 and 400 post-mortems are made annually in the necropsy theater by Associate Professor Le Count and the other pathologists of the Hospital.

The Library and Reading-Room, which has heretofore occupied the fourth floor in the Chicago College of Dental Surgery, has been transferred to the first floor of the Clinical Building, which adds to the convenience of students. The library contains about 15,000 volumes, and files of all the leading medical journals in English, German, and French.

Extra-mural Courses.—Through the courtesy of the medical attendants and managing officers of several hospitals and dispensaries within convenient distance of the College, *extra-mural* clinical courses are offered to the students of Rush, in small groups, and the clinical material available for teaching has thus been greatly augmented. Such courses are offered at the West Side Hebrew Dispensary, treating about 30,000 cases annually; at the St. Luke's Hospital, with about 2,000 cases annually; at the Illinois Charitable Eye and Ear Infirmary, treating about 1,000 cases; at the Chicago Isolation Hospital; at St. Anthony's Hospital, with about 100 beds; and at the Alexian Brothers' Hospital, with about 200 beds.

FELLOWSHIPS, HOSPITAL INTERNES, AND PRIZES

(RUSH MEDICAL COLLEGE)

FELLOWSHIPS

The following Fellowships, each yielding an income of $400 annually, are awarded each year: one in Chemistry, two in Pathology, one in Medicine, and one in Surgery. The Fellowships are awarded to graduates in medicine recognized as in every way best qualified for the positions. Each Fellow devotes the year succeeding his appointment to original investigation under the direction of the Professor of the Department in question in the laboratories of the College. He is required to devote some time of each day in the college year to the instruction of students, and has opportunity to attend the clinics and pursue other lines of collegiate study.

HOSPITAL INTERNES

Positions as internes, through a competitive examination held by the respective hospital staffs, are open each spring to graduates of Rush Medical College in the following Chicago hospitals: the Presbyterian, the Cook County, the Michael Reese, the St. Joseph's, the St. Elizabeth's, the St. Luke's, the Augustana, the Chicago, the Alexian Brothers', the Passavant, the Chicago Policlinic, the German, the Norwegian, the Illinois Charitable Eye and Ear Infirmary, the Baptist, St. Anthony's, the Swedish, the Chicago Maternity, and in a much larger list of institutions outside of the city of Chicago which make appointments from the roll of qualified students of the Senior class in Rush Medical College.

The occupants of these positions receive their board and lodging, and acquire experience in every department of practical Medicine and Surgery.

PRIZES

The Benjamin Rush Prize

A medal of the value of $50 is given by the Faculty at each commencement to that member of the graduating class who passes the highest examination in every department of Medicine represented that year in the examination for the degree.

The Daniel Brainard Prize

A medal is annually given by the Faculty to the student who makes and presents to the College Museum the best accepted dissection in Surgical Anatomy.

The Freer Prizes

These prizes are derived from the income of a fund presented to the College by the late Nathan M. Freer, of the Board of Trustees, as a memorial of the names of two honored members of his family long identified with the highest interests of this institution.

The J. W. Freer Medal and the sum of $50 are awarded as a first prize to that member of the Junior or Senior class who presents the best thesis involving original investigation on the part of the student. A second prize of $25 is awarded to the next successful competitor. The theses must be submitted to the Dean of Students on or before the first of April, 1908.

The L. C. P. Freer Medal and the sum of $50 are offered as a first prize to that member of the Freshman or Sophomore class who presents the best thesis involving original investigation on the part of the student. A second prize of $25 will be awarded to the next most successful of the competitors. *This prize will be competed for by students in the medical courses of the University.* The theses must be placed in the hands of the Dean of Students by April, 1908.

The Edward L. Holmes Prize

In honor of the late Edward L. Holmes, for many years the Professor of Diseases of the Eye and Ear in Rush Medical College, and for several years its President, and who during his long career rendered distinguished services to the institution, the Trustees have established the Edward L. Holmes Prize for original research, to consist of a table and Scholarship for one season, at the Marine Biological Laboratory at Wood's Holl, Mass. This prize is offered in recognition of the great service which is rendered to the medical sciences by research work in biology. The prize will not be offered for 1907–8.

OCCUPANTS OF INTERNESHIPS

The following students have secured interneships, by examination and appointment, during the year. The duration of service of these interneships varies from one to two years:

Edward Niles ..... Alexian Brothers Hospital
Nels P. Paulson ..... Alexian Brothers Hospital
J. B. Winnick ..... Bethesda Hospital
A. T. Lundgren ..... Chicago Polyclinic
A. B. Mac Nab ..... Chicago Polyclinic
G. M. Logan ..... City Hospital, Akron, O.
A. F. Beifeld ..... Cook County Hospital
R. Y. Jones ..... Cook County Hospital
E. J. Lewis ..... Cook County Hospital
V. C. David ..... Cook County Hospital
D. E. Cornwall ..... Cook County Hospital
Harry Jackson ..... Cook County Hospital
R. H. Wellington ..... Cook County Hospital
S. W. Ranson ..... Cook County Hospital
A. H. Montgomery ..... Cook County Hospital
H. V. Mellinger ..... Cook County Hospital
J. R. Kauffman ..... Cook County Hospital
F. A. Speik ..... Cook County Hospital
C. H. Gowan ..... Cook County Hospital
J. A. Britton ..... Chicago Lying-in Hospital
L. M. Ryan ..... Chicago Lying-in Hospital
H. M. Francis ..... Chicago Lying-in Hospital
E. T. Christian ..... Chicago Lying-in Hospital
W. S. Chapman ..... Chicago Lying-in Hospital
I. S. Koltinsky ..... Michael Reese Hospital
D. C. Straus ..... Michael Reese Hospital
C. H. Lockwood ..... Milwaukee Passavant Hospital
A. P. Johnston ..... Passavant Hospital
E. A. Graham ..... Presbyterian Hospital
F. E. Ewing ..... Presbyterian Hospital
A. J. Batty ..... Presbyterian Hospital
J. B. Kinne ..... Presbyterian Hospital
B. H. Brown ..... Presbyterian Hospital
H. G. Rosenberger ..... Presbyterian Hospital
T. M. Wilson ..... Presbyterian Hospital
D. J. Davis ..... Presbyterian Hospital
G. F. Ruediger ..... Presbyterian Hospital
R. D. Bernard ..... Presbyterian Hospital
R. Whitman ..... Presbyterian Hospital
F. A. Speik ..... Presbyterian Hospital
D. C. Shaff ..... Presbyterian Hospital
T. H. Redmond ..... Sisters' Hospital, St. Joseph, Mo.
P. D. McCarty ..... State Hospital, Kalamazoo, Mich.
F. C. Walker ..... St. Anthony's Hospital
H. B. Annis ..... St. Barnabas Hospital, Minneapolis, Minn.
M. L. Mendel ..... St. Elizabeth's Hospital
H. H. Blodgett ..... St. Joseph's Hospital
F. M. Conlin ..... St. Joseph's Hospital
R. B. Adams ..... St. Joseph's Hospital, St. Joseph, Mo.
C. L. Hoy ..... St. Luke's Hospital
E. W. Bodman ..... St. Luke's Hospital
G. J. Marquette ..... St. Luke's Hospital
G. F. Bicknell ..... St. Luke's Hospital
L. L Ten Broeck ..... St. Luke's Hospital
W. G. Rundle ..... St. Luke's Hospital, Denver, Colo.
H. B. Felts ..... St. Mark's Hospital, Salt Lake City, Utah
Charles Fidler ..... St. Mary's Hospital, Milwaukee, Wis
H. A. Heise ..... Toledo Hospital, Toledo, O.

FELLOWSHIPS AND SCHOLARSHIPS AT THE UNIVERSITY OF CHICAGO

1. *The University Fellowships.*— The University appropriates annually the amount of twenty-one thousand, five hundred dollars ($21,500) for Fellowships in the Graduate Schools. These Fellowships are awarded by the Trustees, upon the recommendation of the President and the nomination of particular departments. Each year about seventy Fellowships are assigned, ranging in individual value from $120, or tuition fees of a student for three quarters, to $520.

2. *Applications for Fellowships.*— Applications for Fellowships should be addressed to the President of the University, *and should be in his hands on or before March 1.*

3. *Appointments to Fellowships.*
   a) *Date.*—The annual assignment of Fellowships is made about the first of April. A Fellowship is available for any three of the four quarters, beginning with the summer Quarter, following the date of appointment.

   b) *Attainments required.*— The candidate must have attained proficiency in some department. In general, he should have spent at least one year in resident study after receiving his Bachelor's degree. In making the appointment, special weight is given to theses indicating the candidate's ability to conduct original investigation.

4. *Special Fellowships.*—In addition to the regular University Fellowships mentioned above, there are special Fellowships offered by individuals. These vary somewhat in number and amount from year to year. At present they are as follows:

   a) The *William A. and Fanny C. Talcott Fellowships and Scholarships.*—In 1896 William A. Talcott, of Rockford, Ill., endowed four Fellowships and Scholarships, two of which bear his name and two the name of his wife, Fanny C. Talcott. They are intended primarily for the benefit of graduates of Rockford College, but, in the absence of such beneficiaries, may be assigned to others. They pay the tuition fees of those appointed to them.

   b) The *Bucknell Fellowship*, yielding $400, offered by Mr. Charles Miller, of Franklin, Pa., is open to graduates of Bucknell University. The appointment to this Fellowship is made by the faculty of Bucknell University.

   c) The *Joseph B. Loewenthal Fellowship in Chemistry*, endowed by Mr. Berthold Loewenthal, of Chicago, as a memorial of his son, Joseph B. Loewenthal. It yields about $420 to the incumbent annually appointed, and is awarded on the nomination of the Department of Chemistry and the recommendation of the President of the University.

5. *Graduate Scholarships.*—The Scholarships available for students in the Graduate Schools are as follows:

   a) *Scholarships for excellence in the work of the Senior Colleges.*—The University offers twenty Scholarships for excellence in the work of the Senior Colleges. The Scholarships are assigned annually, in the Spring Quarter, on the nomination of the Board of the Senior Colleges. Each department of the University, with the approval of the Committee on Scholarships, has the privilege of naming a student who is for that year the honor student of the Senior Colleges in that department, and to this student there is given a Graduate Scholarship yielding in each case a sum equal to the University tuition fees for three quarters ($120), provided the student continues his studies in the Graduate Schools.

   b) The *William A. and Fanny C. Talcott Fellowships and Scholarships.*—See Fellowships.

   c) *Affiliation Scholarships.*—Under the conditions of affiliation with Kalamazoo College, Des Moines College, Butler College, and John B. Stetson University, the three students who stand highest in scholarship and general excellence in the graduating class of each institution are awarded Scholarships covering the University tuition fees for three quarters ($120). This arrangement continues in force until 1910.

   d) *Scholarships for Public Speaking.*—Three Scholarships, each yielding the amount of forty dollars ($40), or the tuition fee for a quarter, are awarded the winners in the preliminary contests in Public Speaking. In case the winner in a preliminary contest has previously secured a Scholarship in this way in the Graduate Schools, the award is made to the second in rank.

   e) *Scholarships for officers.*— Forty Scholarships, each yielding the tuition fees for three quarters ($120), are assigned annually to members of the Faculties, or wives of members, who

may desire to take courses of instruction in the University.

f) *Teachers in Affiliated Schools.*—Under the conditions of affiliation, teachers in the various Affiliated Schools of the University are assigned vouchers covering the tuition fee. The conditions under which these vouchers may be obtained will be mailed on application.

g) *General Scholarships.*—Forty Scholarships, each yielding the tuition fees for three quarters ($120), are assigned annually to students in the Graduate Schools on the recommendation of the Deans of these schools.

MEDICAL SOCIETIES

The fact that a very large number of medical men practice in Chicago has led to the development of a number of medical societies, general and special. Among the more interesting to medical students in the early years of their course is the Chicago Pathological Society. A large number of clinical societies, notably the Chicago Medical Society and its various branches, will interest the student, particularly in the later years of his course.

The University of Chicago Biological Club meets on the second Tuesday evening of each month at the Quadrangle Club at 7:45 sharp. At the meetings of this society the advanced work and original research of the various laboratories will be reported, and topics of general medical and scientific interest will from time to time be discussed. The meetings will be open to medical students. The Society holds no meetings during the Summer Quarter.

ALUMNI ASSOCIATION

The Alumni Association of Rush Medical College holds yearly meetings. These meetings, which precede the regular commencement of the College, will occur on June 10, 11, and 12, 1907. All graduates of the College in good standing are eligible to membership, which can be obtained by the payment of one dollar, the annual dues. The officers for the year ending July 1, 1907, are as follows:

President—A. T. Holbrook, '95 ..... Milwaukee, Wisconsin
First Vice-President—G. P. Head, '84 ..... Chicago
Second Vice-President—O. S. Ormsby, '95 ..... Chicago
Third Vice-President—T. C. Clark, '81 ..... Stillwater, Minnesota
Necrologist—A. L. Craig ..... Chicago
Secretary and Treasurer—B. M. Linnell, '93 ..... 100 State St., Chicago

The dues should be sent to the Secretary of the Association, Dr. B. M. Linnell, 100 State Street, Chicago.

The Association publishes a small bulletin four times a year. This for the present will be sent to members without extra charge. The Association also supports a Fellow doing research work in residence at the College. Contributions to this fund are solicited.

Alumni are requested to inform the College Secretary, Dr. B. M. Linnell, 100 State Street, Chicago, of any change of address. They will also confer a favor by sending him a copy of any address, programme, or other document, relating to the early history of the College.

GRADUATES FOR THE SESSION OF 1906–7

THE DEGREE OF DOCTOR OF MEDICINE WAS CONFERRED ON THE FOLLOWING STUDENTS AT THE CLOSE OF THE SUMMER QUARTER, AUGUST 30, 1906

Adams, Orville Lewis
Blomer, Joseph Henry
Boynton, Vincent Russell
Brubaker, Ora George
Christensen, Edward P.
Fidler, Charles
Hamburger, Walter Wiley
Hoy, Clinton Luman
Hunt, Morton Leon
Kinne, John Baxter
McCarty, Paul Dean
Metcalf, Frank Woodward
Nahas, Selim
O'Brien, Edward Joseph
Omelvena, James Gibson
Redmond, Thomas
Rundle, Walter Gustavus
Runyan, Herman Call
Thomas, Hall H.
Whitacre, Thomas Olearius
Winsor, Sanford Archibald

AT THE CLOSE OF THE AUTUMN QUARTER, DECEMBER 20, 1906

Batty, Arthur Joseph
Chapman, Winthrop Severance
Gowan, Charles Homer
Heise, Carl August
Johnston, Allen Perry
Neher, Edwin Manson
Wilson, Thomas Matheson

AT THE CLOSE OF THE WINTER QUARTER, MARCH 21, 1907

Brown, Benjamin Henton
Cornwall, Delos Edward
Ewing, Fred E.
Groman, Herman Charles
Gullion, Omar Ray
Lewis, Edward James
Speik, Frederick Adolph
Thomas, Roy Eccles
Winnick, Joseph Bernard

WILL RECEIVE DEGREE AT THE CLOSE OF THE SPRING QUARTER, JUNE 12, 1907

Audrain, Leslie Carl
Annis, Homer Burnham
Beifeld, Arthur Frederic
Blodgett, Harry Hoagland
Conlin, Frank Matthew
David, Vernon Cyrenius
Felts, Harry Bennett
Jackson, Harry
Jones, Robert Young
Kauffman, Jesse Robinson
Lockwood, Chester Herbert
Meents, Walter Howard
Montgomery, Albert Horr
Niles, Edward
Paulson, Niels Peter
Rikli, Arthur Richard
Walker, Frank Columbia
Whitman, Roscoe

CANDIDATES FOR THE DEGREE AT THE CLOSE OF THE SPRING QUARTER, JUNE 12, 1907

Adams, Roy Bennett
Arminen, Karlo Vilhelm
Bicknell, George Francis
Bodman, Edward Whitney
Britton, James Andrew
Calhoun, Frank Warren
Chapman, Frances P.
Enlow, Harry R.
Gephart, John
Gillespie, Edwin Simpson
Graham, Evarts Ambrose
Graves, Robert E.
Halsey, Henry Allen
Koltinsky, Irwin Sunthimer
Kristjansen, Hjorleifur Transti
Logan, George Morrison
Lundgren, Albert Theodore
MacNab, Alexander Blake
Marquette, George John
McMullen, Edwin Clare
Mendel, Max Louis
Miller, Ernest Wilson
Miller, George Enos
Putnam, Glenn Worthy
Rosenberger, Homer G.
Shaff, DeWitt Clinton
Schrager, Victor Lupu
Straus, David C.
Ten Broeck, Louis Leonard

MATRICULATES FOR THE SESSION OF 1906–7

The following list includes only those students who were in attendance during one or more quarters, and who were entitled to take the quarterly examinations.

ABBREVIATIONS.—*u.*=University; *c.*=College; *s.*=School; *hs.*=High School; *a.*=Academy; *sm.*=Seminary; *inst.*=Institute (or institution).

PERIOD OF RESIDENCE.—*s*=Resident during Summer Quarter, 1906; *a*=Resident during Autumn Quarter, 1906; *w*=Resident during Winter Quarter, 1907; *sp*=Resident during Spring Quarter, 1907.

FRESHMAN AND SOPHOMORE CLASSES

NAME	PREVIOUS INSTITUTION	HOME ADDRESS
Abbott, Donald Putnam, *a w sp*	Senior c. (*u. of Chicago*)	Chicago
Aitken, Arthur Noble, *w sp*	Senior c. (*u. of Chicago*)	Harvey
Arkin, Morris L., *w sp*	S.B. (*u. of Penn.*) '06	Allegheny, Pa.
Baker, Edward Hall, *a w*	A.B. (*Beloit c.*) '84	New York
Baker, Looe D., *a w sp*	Senior c. (*u. of Chicago*)	Grand Haven, Mich.
Bamberger, Arrie, *s a w sp*	Senior c. (*u. of Chicago*)	Chicago
Barber, Gideon Lanning, *a*	A.B. (*Union c.*) '67	Chicago
Barber, George Stanley, *s*	A.B. (*u. of Wisconsin*) '05	Lawton, Okla.
Barnes, Benjamin Spafford, *a w sp*	S.B. (*u. of Chicago*) '06	Tabor, Ia.
Becht, Frank Christian, *a w*	S.B. (*u. of Chicago*) '06	East Peoria
Bell, Charles Thomas, *a w sp*	A.B. (*u. of Missouri*) '99	Maryville, Mo.
Bender, Alva Jacob, *a w sp*	*Portland u.*	Portland, Ore.
Benson, Robert Louis, *a w*	A.B. (*u. of Michigan*) '02; A.M. (*ibid.*) '04	Mt. Morris, Mich.
Berlin, Louis Samuel, *s a w sp*	Senior c. (*u. of Chicago*)	Chicago
Blatherwick, Alex Arthur, *a w sp*	Ph.B. (*Iowa c.*) '05	Grinnell, Ia.
Blatherwick, George Washington, *a w sp*	Ph.B. (*Iowa c.*) '05	Grinnell, Ia.
Braude, Benjamin, *a w sp*	S.B. (*u. of Chicago*) '06	Chicago
Breyer, John Henry, *s a w sp*	A.B. (*Wheaton c.*) '05	Hinsdale
Brown, Horatio Alfred, *a w sp*	A.B. (*u. of Wooster*) '02	Wooster, O.
Brown, John Zimmerman, *a w sp*	A.B. (*u. of Utah*) '06	Pleasant Grove, Utah
Buffum, Roy Luman, *s*	A.B. (*Williams c.*) '05	Toulon
Busby, Frederick Harrison, *a w*	*u. of Michigan*	Marshalltown, Ia.
Campbell, Mary Rachel, *a w sp*	Unclassified	Milwaukee, Wis.
vonCattenbrock, Fredericus Augustinus,	Junior c. (*u. of Chicago*)	The Hague, Netherlands
Clark, Elbert, *a w sp* [*a w sp*	S.B. (*u. of Arkansas*) '03	Waldo, Ark.
Clements, Melbourne, *a w sp*	Senior c. (*u. of Chicago*)	Nashville, Tenn.
Clements, Paul, *sp*	Unclassified (*u. of Chicago*)	Nashville, Tenn.
Cloud, Marshal Morgan, *s*	S.B. (*u. of South Carolina*) '04; S.M. (*Ibid.*) '06	Los Angeles, Cal.
Corlett, Ralph, *s*	A.B. (*u. of Wisconsin*) '05	Harvard
Cornell, Edward Lyman, *a w sp*	Senior c. (*u. of Chicago*)	Chicago
Cox, James Francis, *a w sp*	Senior c. (*u. of Chicago*)	Urbana
Crabb, George Melville, *a w sp*	S.B. (*Grinnell c.*) '06	Parsons, Kan.
Craig, Alexander, *s a w sp*	Senior c. (*u. of Chicago*)	Rock Island
Crotty, Julia, *a w sp*	A.B. (*Wells c.*) '98	Burlington, Kan.
Davis, Carl H., *w sp*	S.B. (*u. of Chicago*) '06	Eugene, Ore.
Davis, Robert Gaylord, *a w sp*	S.B. (*Simpson c.*) '05	Indianola, Ia.
DeMotte, Roy James, *w sp*	A.B. (*u. of Iowa*) '03	Chicago
Denney, Robert Stevenson, *s a*	S.B. (*u. of Chicago*) '06	Aurora
Dicker, Willard Woodard, *s*	A.B. (*u. of Michigan*) '06	Chicago

NAME	PREVIOUS INSTITUTION	HOME ADDRESS
Dillehunt, Richard Benjamin, *a w sp*	*u. of Illinois*	Decatur
Doseff, Dosu, *s a w sp*	S.B. (*Whitworth c.*) '05	Tacoma, Wash.
Durley, Benjamin Howard, *s*	S.B. (*u. of Tennessee*) '06	Oxford, Miss.
Edgerton, Erastus Smith, *a w sp*	S.B. (*Knox c.*) '05	Galesburg
Eggers, Harold Everett, *a w sp*	S.B. (*u. of Wisconsin*) '03	Two Rivers, Wis.
Elliott, Addison Eugene, *s*	S.B. (*Knox c.*) '03	Table Grove
Ellliott, Benjamin Edelstein, *a w sp*	Senior c. (*u. of Chicago*)	Chicago
Ely, John Elbert, *a w*	A.B. (*Oberlin c.*) '06	Fayette, O.
Enfield, Charles Darwin, *s a w sp*	Senior c. (*u. of Chicago*)	Jefferson, Ia.
Ewing, Henry Ellsworth, *aw sp*	A.B. (*u. of Illinois*) '06	Arcola
Falls, Frederick Howard, *a w sp*	Senior c. (*u. of Chicago*)	Chicago
Findlay, H. P.	A.B. (*Monmouth c.*) '05	Monmouth
Fischer, Hayden Lysle, *a w*	Junior c. (*u. of Chicago*)	Kewanee
Fleming, Samuel Clifton, *a w sp*	Senior c. (*u. of Chicago*)	Franklin, Tenn.
Flinn, Thomas Edwin, *a w sp*	A.B. (*Macalaster c.*) '05	Red Falls, Minn.
Forgrave, Harrison S., *s*	Unclassified	St. Joseph, Mo.
Frederickson, Frederick O., *s*	*Lewis Institute*	Chicago
Gallagher, Paul, *a w sp*	*St. Louis u.*	El Paso, Tex.
Gerstley, Jesse Robert, *a w sp*	Senior c. (*u. of Chicago*)	Chicago
Gilchrist, Ralph Towns, *a w sp*	S.B. (*Penn c.*) '06	Oskaloosa, Ia.
Glomset, David J., *w sp*	Senior c. (*u. of Chicago*)	Fargo, N. D.
Gomez, Liborio, *s*	A.B. (*San Juan de Letran*) '03	Calumpit, P. I.
Gonzalez, Jesus, *s w sp*	A.B. (*San Juan de Letran*) '03	Pampanga, P. I.
Goodman, Herbert Marcus	S.B. (*u. of Chicago*) '05	Chicago
Goodrich, Frank Joseph, *a w sp*	Senior c. (*u. of Chicago*)	Chicago
Graves, Robert, Elliott, *s*	S.B. (*u. of Chicago*) '98	Chicago
Green, John Winston, *a*	Senior c. (*u. of Chicago*)	Albion, Ind.
Greer, James Richard, *s a w sp*	S.B. (*u. of Chicago*) '06	Chicago
Guazon, Patenciano, *s*	A.B. (*Artenso de Manila*) '03	Manila, P. I.
Gunn, Neil Mackey, *a sp*	Junior c. (*u. of Chicago*)	Chicago
Guy, Walter Harry, *a w sp*	*u. of Kansas*	Winfield, Kan.
Hammond, Johnston Francis, *a w sp*	Senior c. (*u. of Chicago*)	Coshocton, O.
Haessler, Paul Carl, *a w*	Senior c. (*u. of Chicago*)	Weisbaden, Germany
Hanchett, William M., *s*	A.B. (*Harvard u.*) '03	Council Bluffs, Ia.
Hare, Charles Benjamin, *s*	*u. of Michigan*	Pawnee City, Neb.
Harrigan, Frank E., *s*	S.B. (*u. of Wisconsin*) '01	Milwaukee, Wis.
Hartigan, Eugene Lawrence, *a w sp*	Ph.B. (*u. of Chicago*) '04	Chicago
Hasner, Robert Bane, *sp*	Senior c. (*u. of Chicago*)	Independence, Ia.
Hatfield, William Hugh, *a w sp*	Senior c. (*u. of Chicago*)	Chicago
Herdman, Samuel Beck, *a w sp*	Senior c. (*u. of Chicago*)	Taylorville
Hobbs, Charles Alfred, *w sp*	S.B. (*Brown u.*) '05.	Chicago
Hoffman, David Harold, *a w sp*	Senior c. (*u. of Chicago*)	Chicago
Hoffman, Harry Richard, *a w sp*	Senior c. (*u. of Chicago*)	Chicago
Hofmann, Henry, *a w sp*	Junior c. (*u. of Chicago*)	Chicago
Honea, Thomas Carlton, *a*	A.B. (*Texas Christian u.*) '05	Cleburne, Tex.
Hovde, Carl Herman, *s*	A.B. (*Luther c.*) '04	Blair, Wis.
Howell, Katherine, *s*	A.B. (*u. of Chicago*) '05	Chicago
Hughes, William Talmadge, *s a w sp*	S.B. (*Yankton c.*) '05	Braymer, Mo.
Hunter, Hobart Russell, *a w sp*	Senior c. (*u. of Chicago*)	Fon du Lac, Wis.
Isham, Ira B., *w*	M.D. (*u. of New York*)	Chicago
Jackson, Dennis Emerson, *a w*	A.B. (*Indiana u.*) '04	Linton, Ind.

NAME	PREVIOUS INSTITUTION	HOME ADDRESS
James, Harry Lorenzo, *a*	Junior c. (*u. of Chicago*)	Springfield
Jamieson, William Henry, *s*	L.B. (*u. of Wisconsin*) '01	Burlington, Wis.
Johnston, Eldon T., *s*	Senior c. (*u. of Chicago*)	Wheatland, Wyo.
Johnstone, Ernest Marshall, *a w sp*	S.B. (*Pomona c.*) '04	San Dimas, Cal.
Keeton, Robert Wood, *s*	Senior c. (*u. of Chicago*)	Meridian, Tenn.
Knappenberger, George E., *a w sp*	*u. of Illinois*	Macomb
Korns, John Hamilton, *s a w sp.*	A.B. (*Ohio Wesleyan u.*) '04	Mt. Victory, O.
Lackner, Julius Ernest, *a w sp*	S.B. (*u. of Chicago*) '07	Chicago
Ladd, Daniel Martin, *w sp*	Unclassified	Manhattan, Kan.
Lagorio, Frank Ambrose, *a w sp*	A.B. (*St. Ignatius c.*) '04	Chicago
Latchem, Raymond Lee, *a w*	Junior c. (*u. of Chicago*)	Washington, Ia.
Lee, Ernest Lehr, *a w sp*	Ph.B. (*Iowa c.*) '05	Grinnell, Ia.
Leviton, Max Benjamin, *a w sp*	Senior c. (*u. of Chicago*)	Chicago
Lewis, Arthur John, *a w sp*	Senior c. (*u. of Chicago*)	Stevens Point, Wis.
Lewis, Edward James, *a*	Junior c. (*u. of Chicago*)	Milwaukee, Wis.
Lindeblad, Carl G., *s*	A.B. (*Augustana c.*) '04	LaGrange
Loomis, Western Cass, *s*	*Friend's u.*	Eldorado, Kan.
Luckhardt, Arno Benedict, *a w sp*	S.B. (*u. of Chicago*) '06	Chicago
Lyding, Harrison Andrew, *a w sp*	Senior c. (*u. of Chicago*)	Peoria
Madtson, Martha Marie, *a w*	A.B. (*Washburn c.*) '05	Beloit, Kan.
Major, Ralph, *s*	A.B. (*William Jewell c.*) '02	Liberty, Mo.
Maley, George Elzear, *a w sp*	S.B. (*Knox c.*) '06	Galesburg
Marvel, John Everett, *s*	*u. of Illinois*	Waynesville
Mason, Custis Eugene, *w*	Senior c. (*u. of Chicago*)	Sweet Springs, Mo.
Meigs, Grace Lynde, *s*	A.B. (*Bryn Mawr c.*) '03	Keokok, Ia.
Menzies, Charles Stuart, *a w sp*	Senior c. (*u. of Chicago*)	Janesville, Wis.
Mills, Herbert Russell, *a w sp*	S.B. (*Cornell c.*) '06	Mt. Vernon, Ia.
Miltenberger, Robert E., *a w sp*	A.B. (*u. of Wisconsin*) '06	Randolph, Ia.
Molitor, David, *s*	Unclassified	Fond du Lac, Wis
Moloney, Frederick Graham, *s a*	Junior c. (*u. of Chicago*)	Ottawa
Moody, Adelbert Montague, *a w sp*	Junior c. (*u. of Chicago*)	The Dalles, Ore.
Moore, Beveridge Harshaw, *a w*	A.B. (*Tarkio c.*) '03	Tarkio, Mo.
Moore, Homer Frank, *a*	Junior c. (*u. of Chicago*)	Rockford
Morrison, Guy Burl, *a*	A.B. (*Yale u.*) '04	Lincoln, Neb.
Morrison, Hugh Tucker, *s*	A.B. (*Drake u.*) '00	Springfield
Munro, Daniel Colin, *a*	A.B. (*Bowdoin c.*) '03	Gardner, Me.
Munson, Louis Manning, *a w sp*	Junior c. (*u. of Chicago*)	Mendota
Murrah, Frank Clay, *a w sp*	Senior c. (*u. of Chicago*)	Creal Springs
McCampbell, Eugene F., *s*	Senior c. (*u. of Chicago*)	Pueblo, Col.
McCloskey, Richard Clyde, *a w sp*	Senior c. (*u. of Chicago*)	Chicago
McFarland, Fletcher Olin, *a w sp*	Senior c. (*u. of Chicago*)	Danville
McGill, Caroline, *s*	A.B. (*u. of Missouri*) '04; A.M. (*Ibid.*) '05	Columbia, Mo.
McGrath, Edward, *s a w sp*	Ph.B. (*u. of Wisconsin*) '02	Monroe, Wis.
McKie, John Francis, *a w sp*	S.B. (*Tarkio c.*) '06	Northboro, Ia.
McLean, Franklin Chambers, *a w sp*	Senior c. (*u. of Chicago*)	Maroa
Nash, Louis Francis, *w sp*	S.B, (*Montana State c.*) '04	Bozeman, Mont.
Nelson, Charles Frederick, *a w sp*	Senior c. (*u. of Chicago*)	Lafayette
Nelson, Engelbracht, *w*	Unclassified	Chicago
Nicoll, Homer King, *a w sp*	Senior c. (*u. of Chicago*)	Tarkio, Mo.
Olentine, Fred Blue, *a w sp*	Junior c. (*u. of Chicago*)	Muskogee, I. T.
Oliver, Edward Allen, *a w sp*	A.B. (*Kenyon c.*) '05	Chicago

NAME	PREVIOUS INSTITUTION	HOME ADDRESS
Paine, John Calvin, *a w sp*	S.B. (*u. of Chicago*) '06	Chicago
Parker, Carl Horace, *a w sp*	S.B. (*Pomona c.*) '05	Pasadena, Cal.
Parker, Francis L., *s*	S.B. (*u. of Chicago*) '00	Charleston, S. C.
Parks, William Alvah, *a w sp*	S.B. (*u. of Chicago*) '06	Minonk
Patterson, James, *s*	S.B. (*u. of Chicago*) '05	Chicago
Pearman, Arthur Columbia, *a w sp*	*u. of Illinois*	Champaign
Perrill, Ivring, *a w sp*	Senior c. (*u. of Chicago*)	Chicago
Peterson, Charles William, *s a w sp*	S.B. (*u. of Chicago*) '07	Parkville, Mo.
Pettit, Roswell Talmadge, *a w sp*	Senior c. (*u. of Chicago*)	Ottawa
Pincoffs, Maurice Charles, *a w*	Senior c. (*u. of Chicago*)	Chicago
Pool, Clarence Gilbert, *s a w sp*	Senior c. (*u. of Chicago*)	Amboy
Poppen, Albertus, *a w sp*	S.B. (*u. of Chicago*) '06	Ireton, Ia.
Post, George Washington	Unclassified	Chicago
Quinn, Edward Lennon, *a w sp*	Junior c. (*u. of Chicago*)	Chicago
Raffie, Sinore Muzaffar, *w sp*	Junior c. (*u. of Chicago*)	Kashan, Persia
Redmond, Andrew Jackson, *s*	A.B. (*Indiana u.*) '01	Peru, Ind.
Roberg, Nathaniel D., *s*	Junior c. (*u. of Chicago*)	Chicago
Rogers, Harrison Ross, *a w sp*	Senior c. (*u. of Chicago*)	Newell, Ia.
Rooks, James Thomas, *a w sp*	S.B. (*u. of Chicago*) '07	Kalamazoo, Mich.
Rosholt, Albie Jens, *s*	A.B. (*Luther c.*) '03	Rosholt, Wis.
Ross, Mary Sophia, *s*	A.B. (*Dalhousie c.*) '94; A.M. (*Ibid.*) '96	Ross Corners, P. E. I.
Ryan, John Gaston, *a w sp*	Senior c. (*u. of Chicago*)	Pella, Ia.
Saam, John Gustav, *s*	S.B. (*Lenox c.*) '00	Lansing, Ia.
Sartain, Charles Augustus, *w sp*	Senior c. (*u. of Chicago*)	Terre Haute, Ind.
Scheid, Myron Milo, *a w sp*	Senior c. (*u. of Chicago*)	Campbellsport, Wis.
Schott, Charles, *a w sp*	Senior c. (*u. of Chicago*)	Chicago
Schuler, Russell Philip, *a w sp*	Senior c. (*u. of Chicago*)	Roann, Ind.
Schwachtgen, George Banker, *a w sp*	Junior c. (*u. of Chicago*)	Oak Park
Scott, Orlando Frank, *s*	Senior c. (*u. of Chicago*)	Newton
Seiler, Raymond Alvah, *a w sp*	Junior c. (*u. of Chicago*)	Clinton, Ia.
Shaff, DeWitt Clinton, *s*	*Swarthmore c.*	Clinton, Ind.
Shaffner, Philip Frank, *a w sp*	Senior c. (*u. of Chicago*)	Chicago
Shapiro, Many Zachary, *a w sp*	Senior c. (*u. of Chicago*)	Eveleth, Minn.
Shaw, Alfred Manon, *a w sp*	S.B. (*Ohio Northern u.*) '01	Macon, O.
Sherman, E. Amelia, *w*	A.B. (*Oberlin c.*) '94	Nathaniel, Ia.
Shortle, Abraham G., *s*	Unclassified	Chicago
Spurgin, Arthur Cecil, *a w sp*	Senior c. (*u. of Chicago*)	Oskaloosa, Ia.
Stackhouse, Clyde Ernest, *a w sp*	Senior c. (*u. of Chicago*)	Chicago
Stanton, Frank Everitt, *a w sp*	S.B. (*Iowa c.*) '06	Humboldt, Ia.
Stark, Oswald George, *a w sp*	Senior c. (*u. of Chicago*)	Davenport, Ia.
Stokes, Merle Benefiel, *a w sp*	A.B. (*Wabash c.*) '05	Lebanon, Ind.
Strauss, Alfred Adolph, *s*	Senior c. (*u. of Chicago*)	Seattle, Wash.
Strawn, John Thomas, *s a w sp*	S.B. (*u. of Chicago*) '06	Palo, Ia.
Suiter, Charles Edgar, *s*	*u. of Pennsylvania*	Bethlehem, Pa.
Swift, Charles Henry, *a w sp*	S.B. (*u. of Chicago*) '03	Chicago
Talbot, Eugene, *a w sp*	A.B. (*Harvard c.*) '06	Chicago
Terrell, Alexander Bismarck, *a w sp*	Senior c. (*u. of Chicago*)	Ft. Worth, Tex.
Terrell, Ted Allen, *a w sp*	Senior c. (*u. of Chicago*)	Okmulgee, I. T.
Thomson, John William, *a w sp*	Senior c. (*u. of Chicago*)	Garrett, Ind.
Threlkeld, Harry Lawrence, *a w sp*	Junior c. (*u. of Chicago*)	Mt. Vernon
Todd, David Duke, *a w sp*	S.B. (*Coe c.*) 05	Ida Grove, Ia.

NAME	PREVIOUS INSTITUTION	HOME ADDRESS
Tope, John Wesley, *a w sp*	Senior c. (*u. of Chicago*)	Oak Park
Treacy, John Lear, *a w sp*	Junior c. (*u. of Chicago*)	St. Helena, Mont.
Van de Erve, John, *w sp*	A.B. (*Hope c.*) '95; A.M. (*Princeton u.*) '97; B.D. (*Princeton u.*) '99	Libertyville
Verity, Walter, *s a w sp*	A.B. (*Lawrence u.*) '01	Appleton, Wis.
Wadsworth, Heilman Curtis, *a w sp*	A.B. (*Indiana u.*) '02	Washington, Ind.
Wagner, Nicholas Bacon, *a w*	Ph.B. (*u. of Wisconsin*) '06	Menasha, Wis.
Wallace, Brice Russell, *a w sp*	S.B. (*Albany c.*) '04	Albany, Ore.
Watters, Henry Gustav, *a w sp*	Senior c. (*u. of Chicago*)	Watsonville, Cal.
Weum, Thurston William, *s*	Senior c. (*u. of Chicago*)	Minneapolis, Minn.
Wheeler, Albert Joel, *a w sp*	C.E. (*Cornell c.*) '03	Traer, Ia.
Whipple, Eleanor Elizabeth, *a w sp*	Senior c. (*u. of Chicago*)	Chicago
Whipps, Charles Elmo, *a w*	Junior c. (*u. of Chicago*)	Carlisle, Ind.
Whitcomb, Walter Delos, *a*	S.B. (*Wheaton c.*) '05	Chicago
White, Adeline Ransom, *s*	S.B. (*u. of Wisconsin*)	Dodgeville, Wis.
White, Gershon Franklin, *w*	S.B. (*Ohio u.*) '01; Ph.D. (*Cornell u.*) '05	Malta, Ia.
White, Paul Amos, *w sp*	Senior c. (*u. of Chicago*)	Indianola, Ia.
Williams, Edward Marsh, *s*	S.B. (*u. of Chicago*) '02	La Grange
Yoder, Orie Chris, *a w sp*	Ph.B. (*u. of Wooster*) '05; S.B. (*u. of Chicago*) 06	Weilersville, O.

SPECIAL STUDENTS TAKING MEDICAL COURSES

NAME	PREVIOUS INSTITUTION	HOME ADDRESS
Appleman, Charles Orville, *a*	Ph.B. (*Dickinson c. Pa.*) '03	Galesburg
Appleton, Lilla Estelle, *w*	L.B. (*Oberlin c.*) '86; Ph.B. (*Ibid.*) '90; Ph.M. (*u. of Chicago*) '03; S.M. (*Ibid.*) '04	Victory, Vt.
Buchanan, Robert Earle, *s*	S.B. (*Iowa State c.*) '04; S.M. (*Ibid.*) '06	Ames, Ia.
Bunzel, Herbert Horace, *a sp*	S.B. (*u. of Chicago*) '06	Chicago
Butler, Blanche Morton, *sp*	*u. of Michigan*	Morgantown, W. Va.
Daniel, John Franklin, *s*	S.B. (*u. of Chicago*) '06	Mt. Vernon
Denis, Willey, *s*	A.B. (*Tulane u.*) '99; A.M. (*Ibid.*) '02	New Orleans, La.
Drury, Mabel, *w*	*Western c., Toledo, O.*	Dayton, O.
Fulton, Mary Celia, *sp*	S.B. (*Denison u.*) '03	Newark, O.
Goettsch, Emil, *s a*	S.B. (*u. of Chicago*) '03; Ph.D. (*Ibid.*) '06	Davenport, Ia.
Hall, Edith, *w*	S.B. (*u. of Chicago*) '06	Chicago
Harmon, Lola Marie, *w*	Ph.B. (*u. of Chicago*) '99	Alexandria, Mo.
Hayes, Mary Holmes, *a w sp*	S.B. (*u. of Wisconsin*) '04	Chicago
Heap, Mary, *a*	Senior c. (*u. of Chicago*)	Chicago
Heinemann, Paul Gustav, *a w*	S.B. (*u. of Chicago*) '01	Chicago
Henley, Ralph Bernard, *w*	S.B. (*Earlham c.*) '00	Monrovia, Ind.
Howser, John Paul, *s*	S.B. (*u. of Texas*) '04	Austin, Tex.
Isely Frederick B., *s*	S.B. (*Fairmount c.*) '99	Wichita, Kan.
Jackson, Dennis Emerson, *a w*	A.B. (*Indiana u.*) '04	Linton, Ind.
Kirk, Edwin Garvey, *a w sp*	S.B. (*u. of Chicago*) '05	Lima, O.
Kuntz, Albert, *s*	A.B. (*Charles City c.*) '04	Ridgeway, Ia.
Lane, Michael A., *a*	Senior c. (*u. of Chicago*)	Chicago
Leland, Robert Charles, *w*	Senior c. (*u. of Chieago*)	Chicago
Macklin, Mary Edith	*Wheaton c.*	Waterman
MacNider, William D.	S.B. (*u. of South Carolina*) '03	Chapel Hill, N. C.
Mangum, Charles Staples, *s*	A.B. (*u. of North Carolina*) '91	Chapel Hill, N. C.

NAME	PREVIOUS INSTITUTION	HOME ADDRESS
Mann, Jessie Rebecca, *s*	Unclassified	DeKalb
Meek, Elizabeth, *a*	S.B. (*Pennsylvania State c.*) '89; S.M. (*Ibid.*) '98	Bellefonte, Pa.
Meek, Walter Joseph, *s*	A.B. (*u. of Kansas*) '02	Oskaloosa, Ia.
Newberger, Charles, *s*	Senior c. (*u. of Chicago*)	Chicago
Norton, Alice Peloubet, *w*	A.B. (*Smith c.*) '82; A.M. (*Ibid.*) '97	Chicago
Obenchain, Jeannette, *w sp*	Ph.B. (*u. of Chicago*) '06	Miami, Fla.
Owen, David Allen, *s*	A.B. (*Franklin c.*) '78; A.M. (*Ibid.*) '81	Franklin, Ind.
Patterson, James, *a w sp*	S.B. (*u. of Chicago*) '05	Chicago
Peterson, Elmer George, *s*	S.B. (*Agricultural College of Utah*) '04	Ogden, Utah
Peterson, Peter Powell, *s*	S.B. (*Brigham Young u.*) '05	Ogden, Utah
Pettibone, Chauncey J. V., *w*	S.B. (*u. of Chicago*) '07	Evanston
Pickel, Frank Welborn, *s*	A.B. (*Furnam u.*) '86; S.M. (*u. of South Carolina*) '90; S.M. (*u. of Chicago*) '99	Fayetteville, Ark.
Pike, Frank Henry, *a w sp*	A.B. (*Indiana u.*) '03	Plainfield
Porter, Eugene Lyman, *s*	A.B. (*Harvard u.*) '04	Springfield
Rahn, Carl Leo, *w*	Senior c. (*u. of Chicago*)	Chicago
Richardson, Florence, *a w sp*	A.B. (*u. of Nebraska*) '02	Lincoln, Neb.
Riddle, Oscar, *a w sp*	S.B. (*Indiana u.*) '02	Bloomfield, Ind.
See, Helene Marlette, *w*	Senior c. (*u. of Chicago*)	Chicago
Snow, Laetitia, *s*	A.B. (*Woman's c. of Baltimore*) '95; Ph.D. (*u. of Chicago*) '04	Farmville, Va.
Staib, Otto William, *a w*	Ph.B. (*u. of Chicago*) '06	Bartlett
Stark, Mary B., *sp*		
Stearns, Tulden Hendricks, *w*	A.B. (*Brown u.*) '03	Wilmot, N. H.
St. Sure, Frank Adolph, *a w sp*	S.B. (*u. of Wisconsin*) '03	Madison, Wis.
Sundwall, John, *s a*	S.B. (*u. of Chicago*) '05; Ph.D. (*Ibid.*) '06	Fair View, Utah
Sutherland, Arthur Howard, *a w sp*	A.B. (*Grand Island c.*) '99	Grand Island, Neb.
Tanner, Alvin Charles	S.B. (*u. of Chicago*) '06	Pleasantville, Pa.
Test, Louis Agassiz, *a w sp*	B.M.E. (*Purdue u.*) '94; A.C. (*Ibid.*) '96	Lafayette, Ind.
Tucker, Mary, *sp*		
Twiss, Edith, *a w*	A.B. (*Ohio State u.*) '95	Cleveland, O.
Thiessen, Reinhardt, *sp*	S.B. (*u. of Chicago*) '02	Holstein, Wis.
Urmston, William, *a w sp*		
Walker, William Oscar	A.B. (*Toronto u.*) '02; A.M. (*Ibid.*) '04	Chicago
Wilkinson, Alice, *a w sp*	Unclassified	
Williams, Marie, *w*	Junior c. (*u. of Chicago*)	Cambridge, O.
Wilson, James Meredith, *a w sp*	Ph.B. (*Cornell u.*) '80	St. Louis, Mo.

JUNIOR CLASS

NAME	PREVIOUS INSTITUTION	HOME ADDRESS
Abbott, Fred Edgerton, *a w sp*	S.B (*Northwestern u.*) '03	Kearney, Neb.
Barber, George Stanley, *a w sp*	A.B. (*u. of Wisconsin*) '05	Lawton, Okla.
Bliss, Guy Luvergne, *a w sp*	S.B. (*u. of Chicago*) '03	Sandwich
Buffum, Roy Luman, *a w sp*	A.B. (*Williams c.*) '05	Toulon
Bullock, Newell H., *w sp*	A.M. (*Leland Stanford u.*) '00	San Jose, Cal.
Carter, Ralph Merle, *a w sp*	A.B. (*u. of Illinois*) '05	Decatur
Childs, Ben, *a w sp*	A.B. (*Knox. c.*) '03	Keithsburg
Darling, Walter Gregory, *a w sp*	A.B. (*u. of Wisconsin*) '05	Crystal Falls, Mich.
Denney, Robert Stevenson, *a w sp*	Senior c. (*u. of Chicago*)	Aurora
Dicker, Willard W., *a w sp*	A.B. (*u. of Michigan*) '06	Chicago

NAME	PREVIOUS INSTITUTION	HOME ADDRESS
Durley, Benjamin Howard, *a w sp*	S.B. (*u. of Mississippi*)	Oxford, Miss.
Eggers, Harold Everett, *a*	S.B. (*u. of Wisconsin*) '05	Two Rivers, Wis.
Elliott, Addison Eugene, *a w sp*	S.B. (*Knox c.*) '03	Table Grove
Fishman, Casriel J., *a w sp*	S.B. (*u. of Michigan*) '06	Grand Rapids, Mich.
Forney, Samuel Wilcox, *a w sp*	Junior c. (*u. of Chicago*)	Minock
Fredrickson, Frederick O., *a w sp*	*Lewis Institute*	Chicago
Furr, J. Marvin, *a w sp*	A.B. (*u. of Mississippi*) '04	Ponttoc, Miss.
Gilfillan, Margery, *a w sp*	Unclassified (*u. of Chicago*)	New Castle, Pa.
Gomez, Liborio, *a w sp*	A.B. (*San Juan de Letran*) '03	Calumpit, P. I.
Goettsch, Emil, *sp*	S.B. (*u. of Chicago*) '03	Davenport, Ia.
Gradle, Harry Searls, *a w sp*	A.B. (*u. of Michigan*) '06	Chicago
Green, John Winston, *a w sp*	Junior c. (*u. of Chicago*)	Albion, Ind.
Griffith, Charles A., *a w sp*	S.B. (*Drake u.*) '06	De Moines, Ia.
Guazon, Patenciano C., *s a w sp*	A.B. (*Atenzo de Manila*) '03	Manila, P. I.
Hare, Charles Benjamin, *a w sp*	Unclassified (*u. of Chicago*)	Pawnee City, Neb.
Harrigan, Frank Elwood, *a*	B.L. (*u. of Wisconsin*) '01	Milwaukee, Wis.
Hasner, Robert Bain, *a w sp*	Senior c. (*u. of Chicago*)	Independence, Ia.
Horovitz, David Alfred, *a w sp*	Senior c. (*u. of Chicago*)	Chicago
Hovde, Carl Herman R., *a w sp*	A.B. (*Luther c.*) '04	Blair, Wis.
Jackson, Leila DeEtte, *a w sp*	A.B. (*Ripon c.*) '95	Chicago
Johnson, George Thompson, *a w sp*	*u. of Illinois*	Champaign
Kaufmann, Gustav Leonard, *a w sp*	S.B. (*u. of Chicago*) '05	Chicago
Kimble, Olin A,, *a w sp*		Carbondale, Kan.
Lambert, Schuyler Colfax, *a*	A.B. (*u. of Nebraska*) '05	Lincoln, Neb.
Lesemann, Frederick Joseph, *a w sp*	Senior c. (*u. of Chicago*)	Nashville
Levitas, Isaac Edward, *a w sp*	Junior c. (*u. of Chicago*)	Marinette, Wis.
Lindeblad, Carl G., *a w sp*	A.B. (*Augustana c.*) '04	La Grange
Linthicum, Porter Hodge, *s a w*	A.B. (*Yale u.*) '01	Evansville, Ind.
Loes, Anthony M,, *a w sp*	*Sacred Heart c.*	Dubuque, Ia.
Lord, Arthur Evarts, *a w sp*	Ph.B. (*u. of Chicago*) '04	Plano
Marvel, John Everett, *a w sp*	Senior c. (*u. of Chicago*)	Midland City
McGuigan, Hugh, *s*	S.B. (*N. Dakota Agricultural c.*) '98	Fargo, N. D.
McMahon, Asher Reid, *a w sp*	A.B. (*u. of Indiana*) '05	Huntingburg, Ind.
Meigs, Grace Lynde, *a w sp*	A.B. (*Bryn Mawr c.*) '04	Keokuk, Ia.
Meyer, J. H. Warren, *a w sp*	*Osnabruck Gymnasium*	LaPorte, Ind.
Morrison, Chester Orlendo, *sp*	*u. of Nebraska*	Lincoln, Neb.
Morrison, Hugh Tucker, *a w sp*	A.B. (*Drake u.*) '04	Springfield
Murphy, Edwin Ray, *a w sp*	*u. of Illinois*	Champaign
Newberger, Charles, *sp*		
Nichols, William Crane, *a w sp*	A.B. (*u. of Wisconsin*) '04	Fargo, N. D.
O'Connell, George Gansey, *a w sp*	Junior c. (*u. of Chicago*)	Marinette, Wis.
Olson, Fred A., *a w sp*	A.B. (*u. of Minnesota*) '05	Wells, Minn.
O'Neill, Bernard Joseph, Jr., *a w sp*	S.B. (*u. of Michigan*) '00	Dubuque, Ia.
Parsons, Forest Lee, *a w sp*	A.B. (*u. of Wisconsin*) '05	Berlin, Wis.
Riley, Floyd, *a w sp*	A.B. (*u. of Missouri*) '04	Kearney, Mo.
Roberg, Daniel Nathaniel, *a w sp*	Junior c. (*u. of Chicago*)	Chicago
Rosholt, Albie Jens, *a w sp*	A.B. (*Luther c.*) '03	Rosholt, Wis.
Ross, Mary Sophia, *a w sp*	A.B. (*Dalhousie c.*) '95: A.M. (*Ibid.*) '96	Prince Edward Island, Can.
Rowe, Lee Ballou, *a w sp*	Junior c. (*u. of Wisconsin*)	Brodhead, Wis.
Ryan, Lee Mathew, *a w sp*	S.B. (*u. of Chicago*)	Los Angeles, Cal.
Saam, John Gustav, *a w sp*	S.B. (*Lenox c.*) '00	Lansing, Ia.

NAME	PREVIOUS INSTITUTION	HOME ADDRESS
Sachse, William Gustavus, *a w sp*	A.B. (*u. of Illinois*) '05	Morris
Saylor, Herbert, *s a w sp*	Senior c. (*u. of Chicago*)	Pomeroy, Ia.
Scott, Garland Dix, *a w sp*	Junior c. (*u. of Chicago*)	Sullivan, Ind.
Scott, Orlando Frank, *a w sp*	Senior c. (*u. of Chicago*)	Newton
Shepard, Gail Peter, *s sp*	S.B. (*Fargo c.*)	Fargo, N. D.
Sims, Harry Wilbur, *a w sp*	S.B. (*Muskingum c.*) '04	New Concord, O.
Speidel, William Charles, *a w sp*	A.B. (*u. of Washington*) '04	Seattle, Wash.
Spencer, Harry Stillman, *a w sp*	Senior c. (*u. of Chicago*)	Kankakee
Strauss, Alfred Adolph, *a w sp*	Senior c. (*u. of Chicago*)	Seattle, Wash.
Suiter, Charles Edgar, *a w sp*	*u. of Pennsylvania*	Philadelphia, Pa.
Sundwall, John, *sp*	Ph.B. (*Central u. of Utah*) '01; D.B. (*Ibid.*) '02	Fairview, Utah
Tanner, Alvin C., *sp*		Birch Run, Mich.
Tyree, Joseph Edgar, *s a w sp*	A.B. (*u. of Oregon*) '00	Dillon, Mont.
Webster, Harry Elgin, *s a w sp*	Junior c. (*u. of Chicago*)	Dixon
Weinberger, Carl Frederick, *s a w sp*	A.B. (*u. of Chicago*) '99	Blue Earth, Minn.
Weum, Thurston William, *w sp*	S.B. (*u. of Chicago*) '07	Minneapolis, Minn.
Wheeler, Herbert Edward, *a w sp*	Senior c. (*u. of Chicago*)	Grant Park

SENIOR CLASS

NAME	PREVIOUS INSTITUTION	HOME ADDRESS
Abdian, Gregory Nazareth, *s w sp*	A.B. (*Dartmouth c.*) '03	Tarsus, Asia Minor
Adams, Roy Bennett, *a w sp*	A.B. (*u. of Nebraska*)	Lincoln, Neb.
Annis, Homer Burnham, *s a w*	A.B. (*Cornell c.*) '03	Osage, Ia.
Arminen, Karlo Vilhelm, *s a w sp*	A.M. (*u. of Helsingfors*) '01	Hancock, Mich.
Audrain, Leslie Carl, *s a w*	S.B. (*u. of Texas*) '02	Roswell, N. M.
Batty, Arthur Joseph, *s a*	A.B. (*Ripon c.*) '03	Glen, Wis.
Beall, Arthur G., *s a w sp*	*Drake u.*	Shannon City, Ia.
Beifeld, Arthur Frederic, *s a w*	Ph.B (*u. of Chicago*) '02	Chicago
Bernard, Ransom Drips, *a w sp*	A.B. (*u. of Wisconsin*) '04	Waukegan
Bicknell, George Francis, *a w sp*	A.B. (*Indiana u.*) '05	Goesport, Ind.
Blodgett, Harry Hoagland, *s a w*	*Simpson c.*	Indianola, Ia.
Blomer, Joseph Henry, *s*	A.B. (*St. Francis c.*); A.M. (*Ibid.*)	Quincy
Bodman, Edward Whitney, *s a w sp*	A.B. (*Williams c.*) '03	Chicago
Boynton, Vincent Russell, *s*	Junior c. (*u. of Chicago*)	Waukegan
Britton, James Andrew, *s a w sp*	S.B. (*u. of Nebraska*)	Chicago
Brown, Benjamin Henton, *s a w*	A.B. (*Washington and Lee u.*)	Waverly, Mo.
Brubaker, Ora George, *s*	*Mt. Morris c.*	Russiaville, Ind.
Calhoun, Frank Warren, *s a w sp*	*Amity c.*	Mt. Ayr, Ia.
Chapman, Frances P., *s a w sp*	A.B. (*Wellesley c.*) '96	Oak Park
Chapman, Winthrop Severance, *s a*	*St. James*	St. James, Mich.
Conlin, Frank Matthew, *s a w*	Senior c. (*u. of Chicago*)	Madison, Wis.
Christensen, Edward P., *s*	*Kalamazoo c.*	Merrill, Wis.
Cornwall, Delos Edward, *s a w*	S.B. (*u. of Idaho*)	Moscow, Idaho
David, Vernon Cyrenius, *s a w*	A.B. (*u. of Michigan*)	Chicago
Day, Dudley Watson, *a*	S.M. (*u. of Chicago*)	Chicago
Enlow, Harry R., *s a w sp*		Paris, Tex.
Ewing, Fred E., *s a w*	S.B. (*Knox c.*) '03	Arcola
Felts, Harry Bennett, *a w*	Ph.G. (*u. of Chicago*)	Barrow, Wis.

NAME	PREVIOUS INSTITUTION	HOME ADDRESS
Ferry, Francis Charles, *s a*	*Buena Vista c.*; M.D. (*u. of Southern California*)	Los Angeles, Cal.
Fidler, Charles, *s*	Junior c. (*u. of Chicago*)	Rensselaer, Ind.
Garrey, Walter Eugene,	S.B. (*Lawrence u.*); Ph.D. (*u. of Chicago*); M.D. (*Cooper Medical c.*)	San Francisco, Cal.
Gephart, John, *a w sp*	A.B. (*Washburn c.*) '03	Oskaloosa, Kan.
Gerdine, Lynn van Horn,	M.A. (*Harvard u.*) '98	Chicago
Gillespie, Edwin Simpson, *a w sp*	S.B. (*Northwestern u.*) '03	Kilbourn, Wis.
Gowan, Charles Homer, *s a w*	S.B. (*Pomona c.*) '02	Los Angeles, Cal.
Graham, Evarts Ambrose, *s a w sp*	A.B. (*Princeton u.*)	Chicago
Graves, Robert E., *a w sp*	S.B. (*u. of Chicago*) '98	Chicago
Gray, Walter Kempston, *s a*	A.B. (*Leland Stanford Jr. c.*)	Milwaukee, Wis.
Greaves, H. N., *a sp*		
Groman Herman Charles, *s a w*	A.B. (*Yale u.*) '04	Odebolt, Ia.
Gullion, Omar Ray, *s a w*	A.M. (*LaGrange c., Ia.*) '00	Maywood, Mo.
Hall, David Connolly, *s a w sp*	Ph.B. (*Brown u.*) '01; S.M. (*u. of Chicago*) '03	Norman, O. T.
Halsey, Henry Allen, *a w sp*	*Leland Stanford Jr. c.*	Phoenix, Ariz.
Hamburger, Walter Wile, *s*	S.M. (*u. of Chicago*); (*Ibid.*) '04	Chicago
Heise, Carl August, *a*	Junior c. (*u. of Chicago*)	Alma, Wis.
Heupt, Albert Reginald, *a w*	*King's c.* (*Melbourne*)	Melbourne, Australia
Hoy, Clinton Lyman, *s*	Ph.B. (*u. of Chicago*)	Woodstock
Iverson, Anthon B., *a w sp*	A.B. (*St. Olaf c.*) '01	Baldenville, Wis.
Jackson, Harry, *s a w*	*u. of Chicago*	Chicago
Johnston, Allen Perry, *s a*	S.B. (*u. of Chicago*) '05	Waupon, Wis.
Jones, Thomas Almon, *w*	A.B. (*Kentucky State c.*)	Montpelier, Ky.
Jones, Robert Young, *s a w*	S.B. (*u. of Chicago*) '04	Lyons, Kan.
Kauffman, Jesse Robinson, *s a w*	S.B. (*u. of Chicago*) '05	Chicago
Kinne, John Baxter, *s*	S.B. (*Fargo c.*) '03	Fargo, N. D.
Koltinsky, Irvin Sunthimer, *a w*	S.B. (*u. of Chicago*)	Owensboro, Ky.
Kristjanson, Hjorleifur Transti, *s a w sp*	A.B. (*u. of Dakota*)	Gardar, N. D.
Lewis, Edward James, *s a w*	Unclassified (*u. of Chicago*)	Milwaukee, Wis.
Lockwood, Chester Herbert, *s a w*	*u. of Chicago*	Wichita, Kan.
Logan, George Morrison, *s a w*	Junior c. (*u. of Chicago*)	Manhattan, Kan.
Lundgren, Albert Theodore, *s a w sp*	S.B. (*Knox c.*) '01	Galesburg
McMullen, Edwin Clare, *s a w sp*	A.B. (*Indiana u.*) '04	Aurora, Ind.
MacNab, Alexander Blake, *s a w sp*	*Morgan Park a.*	Cassopolis, Mich.
Marquette, George John, *a w sp*	A.B. (*u. of Wisconsin*) '04	Madison, Wis.
Meents, Walter Howard, *s a w*	S.B. (*Northwestern u.*) '04	Ashkum
Mendel, Max Louis, *s a w sp*	S.B. (*u. of Chicago*) '04	Chicago
Metcalf, Frank Woodward, *s*	S.B. (*u. of Chicago*)	Dodgeville, Wis.
Miller, Ernest Wilson, *sp*	S.B. (*u. of Chicago*) '05	Chicago
Miller, George Enos, *s a w sp*	*Kenyon Military a.*	Chicago
Montgomery, Albert Horr, *s a w*	A.B. (*u. of Michigan*) '05	Chicago
Nahas, Selim Louis, *s*	A.B. (*Sorbonne u. of Paris*)	Alexandria, Egypt
Niles, Edward, *s a w*	A.B. (*St. Ignatius c.*) '03	Chicago
O'Brien, Edward Joseph, *s*	*St. Ignatius c.*	Chicago
Omelvena, James Gibson, *s*	*Hanover c.*	Brookston, Ind.
Osborn, John McIntyre, *sp*		Chicago
Paulsen, Neils Peter, *s a w*	*State Agricultural c., Utah*	Logan City, Utah
Potter, Hollis Elmer, *s a w sp*	S.B. (*u. of Chicago*)	Waupon, Wis.
Putnam, Glenn Worthy, *a w sp*	Junior c. (*u. of Chicago*)	Aurora
Ransom, Stephen Walter, *s a w sp*	Ph.D. (*u. of Chicago*) '02; S.M. (*Ibid.*) '03	Dodge Center, Minn.

NAME	PREVIOUS INSTITUTION	HOME ADDRESS
Redmond, Thomas, *s*	*Indiana u.*	Deerfield, Ind.
Rikli, Arthur Richard, *s a w*	S.B. (*Northwestern c., Ind.*) '03	Murdock, Neb.
Rosenberger, Homer G., *s a w sp*	S.B. (*Penn c., Ia.*) '00	Oskaloosa, Ia.
Runyan, Herman Call, *s*	A.B., S.B. (*Indiana u.*) '03	Los Angeles, Cal.
Schrager, Victor Lupu, *a w sp*	B.Lett., Sc. (*Roumania*) '98	Chicago
Shaff, DeWitt Clinton, *s a w sp*	*Swarthmore c.*	Clinton, Ind.
Simonds, James Persons, *s a w*	A.B. (*Baylor u.*) '01	Kerens, Tex.
Speik, Frederick Adolph, *s a w*	S.B. (*u. of Chicago*)	Chicago
Straus, David C., *s a w sp*	S.B. (*u. of Chicago*)	Chicago
Sumner, John True, *a*	A.B. (*u. of Nebraska*) '99	Omaha, Neb.
Ten Broeck, Louis Leonard, *s a w sp*	A.B. (*u. of Minnesota*) '98	Chicago
Thomas, Hall Herbert, *s*	S.B. (*Iowa State c.*)	Decorah, Ia.
Thomas, Roy Eccles, *s a w*	S.B. (*Pomona c.*) '03	Phoenix, Ariz.
Walker, Frank Columbia, *s a w*	S.B. (*De Pauw u.*) '04	Orleans, Ind.
Whitman, Roscoe, *s a w*	A.B. (*u. of Wisconsin*) '04	Dodgeville, Wis.
Wilson, Thomas Matheson, *s a*	A.B. (*Toronto*); M.S. (*u. of Chicago*)	Toronto, Canada
Winnick, Joseph Bernard, *s a w*	*u. of Chicago*	St. Paul, Minn.
Winsor, Sanford Archibald, *s*	Senior c. (*u. of Chicago*)	Shabbour

SUMMARY

Freshmen and Sophomores, including special students	270
Juniors	78
Seniors	96
	444
Post-Graduate students and specials	123
Total	567